

REEL 6

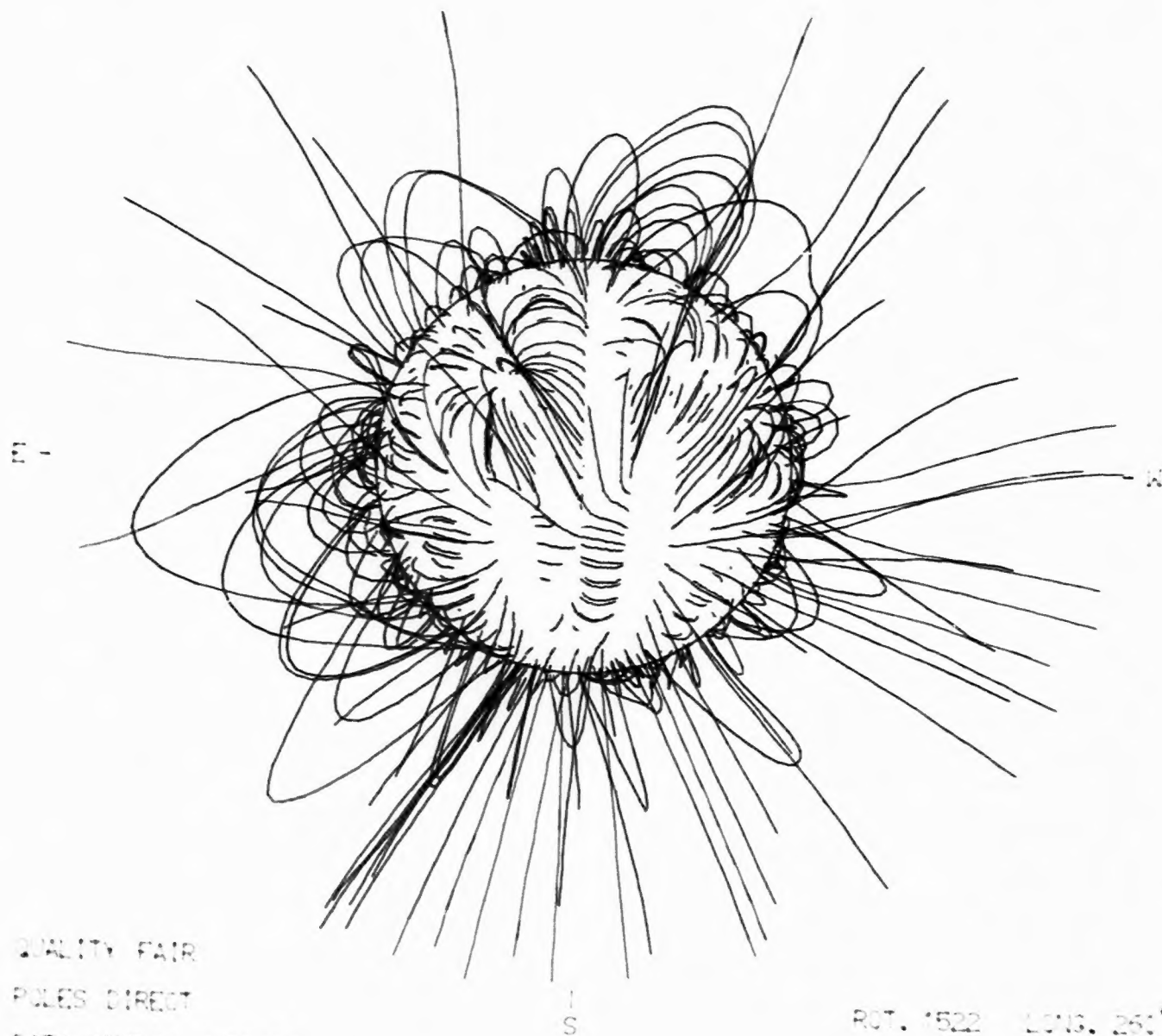
ROT. 1522 - ROT. 1541

19 JUN 1967 - 17 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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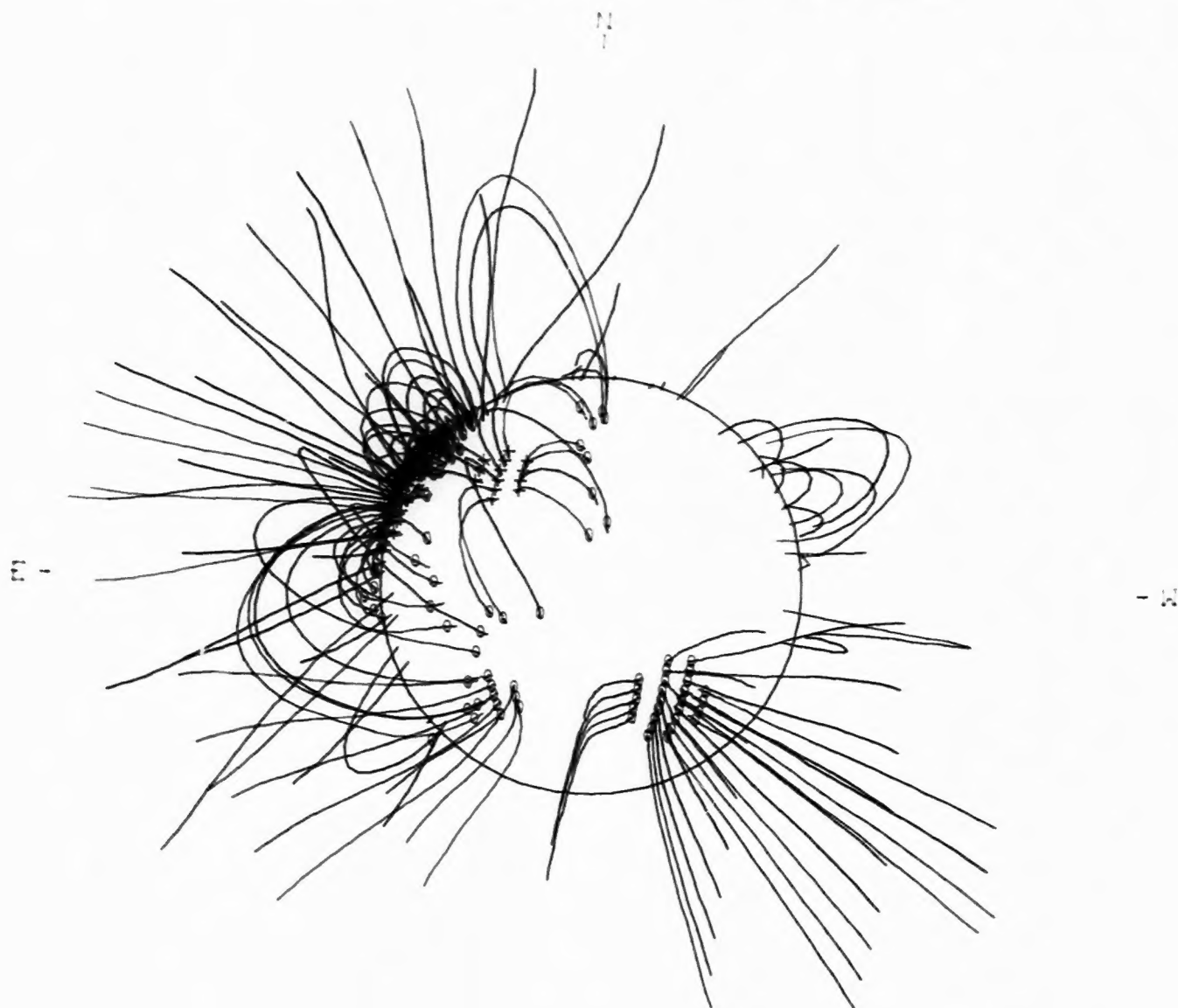
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

ROT. 1522 LONG. 251°
19.2 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

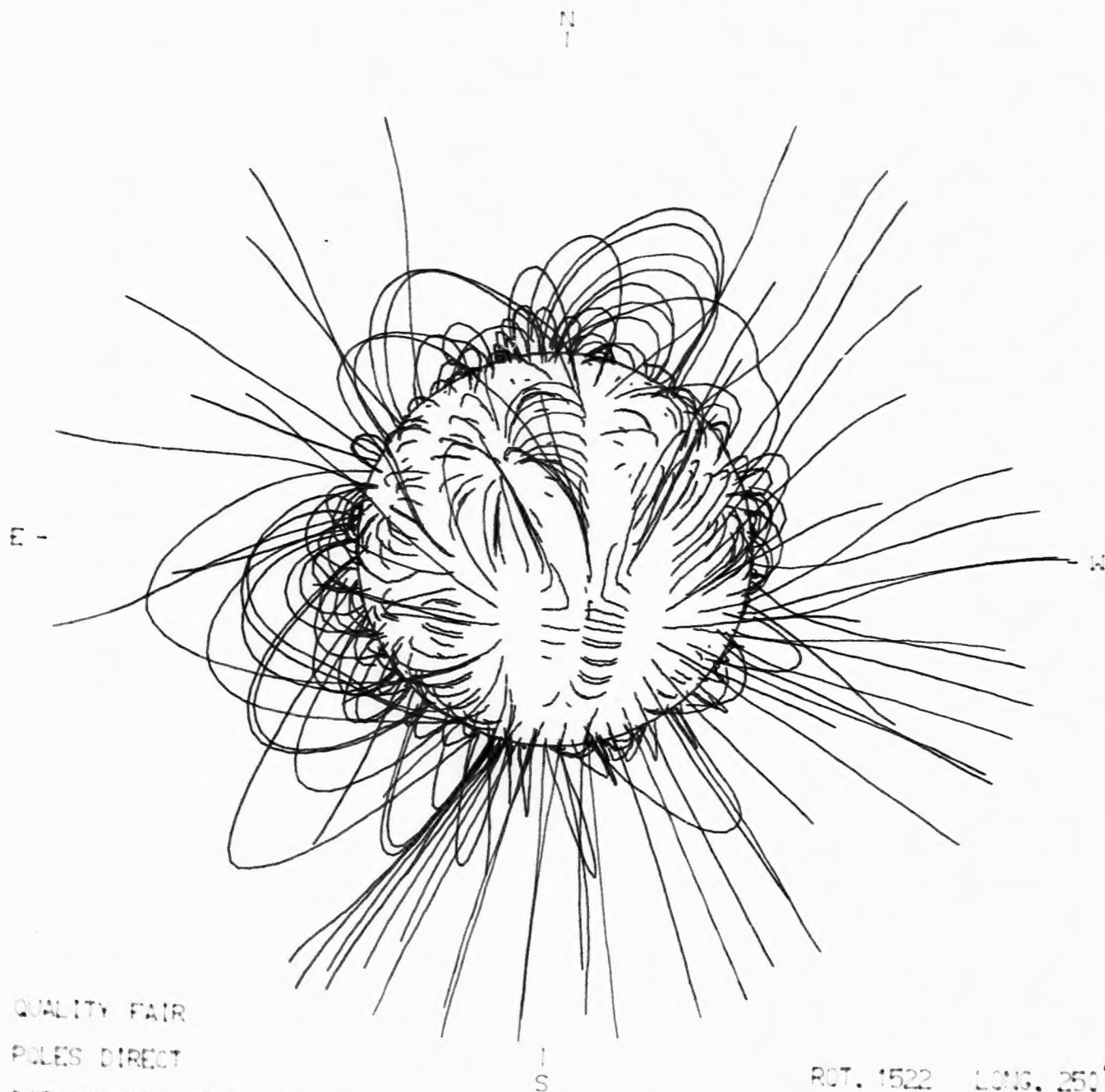
DATA WINDOW 1522.00

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S

ROT. 1522 LONG. 251°

19.2 JUN 1967

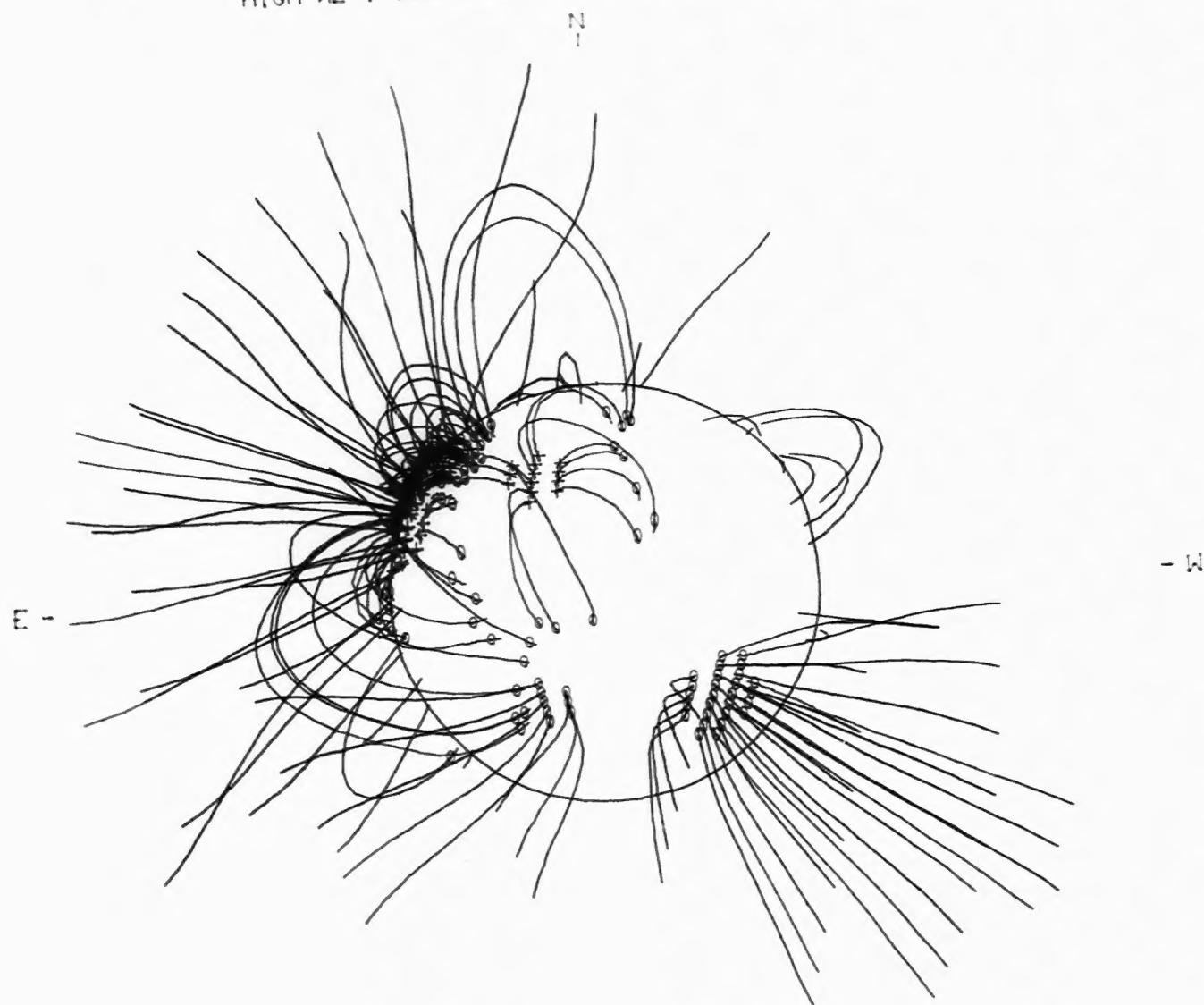
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

ROT. 1522 LONG. 250°
19.9 JUN 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



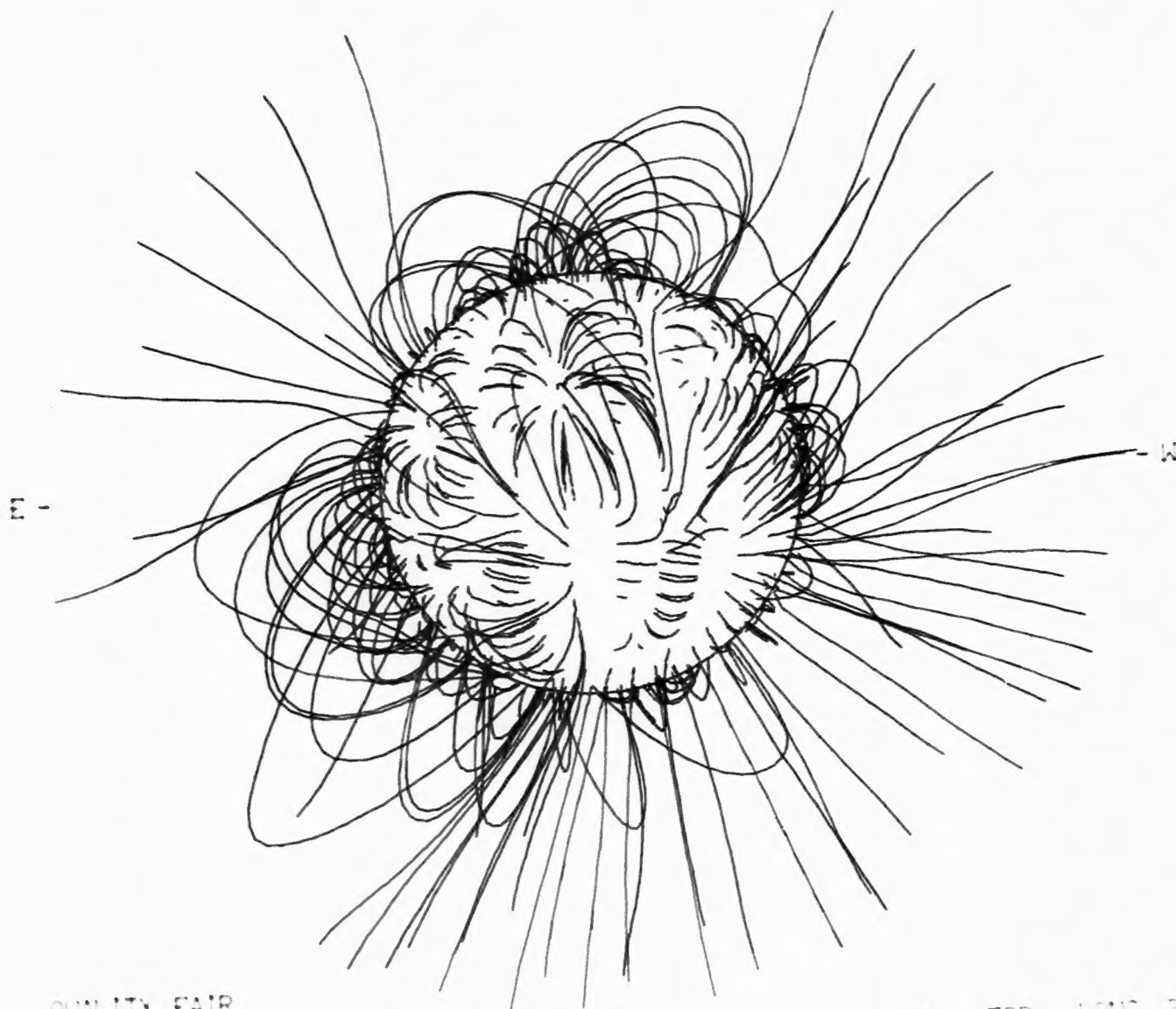
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

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ROT. 1522 LONG. 250°
19.9 JUN 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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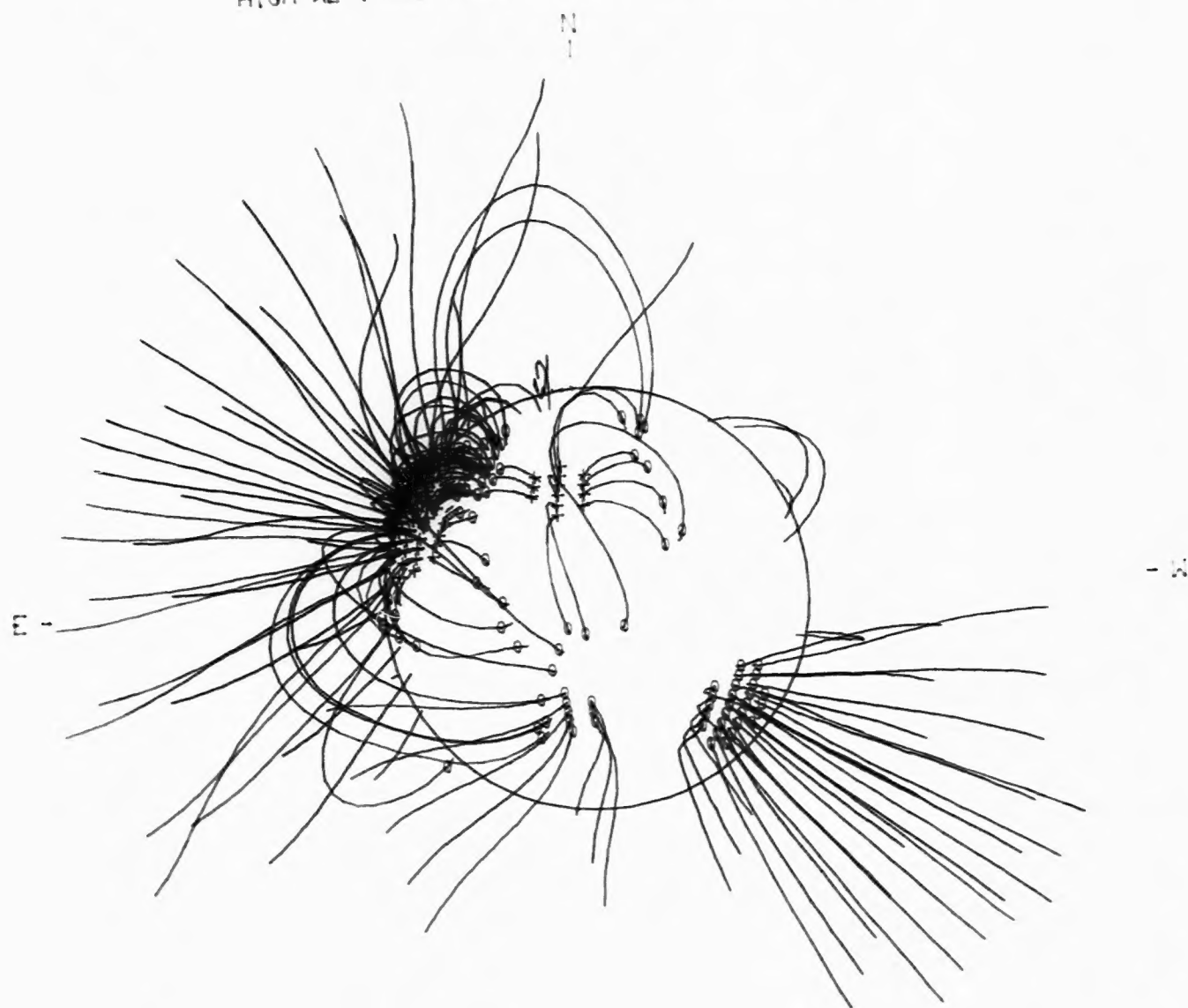


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

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S

ROT. 1522 LONG. 240°
20.7 JUN 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

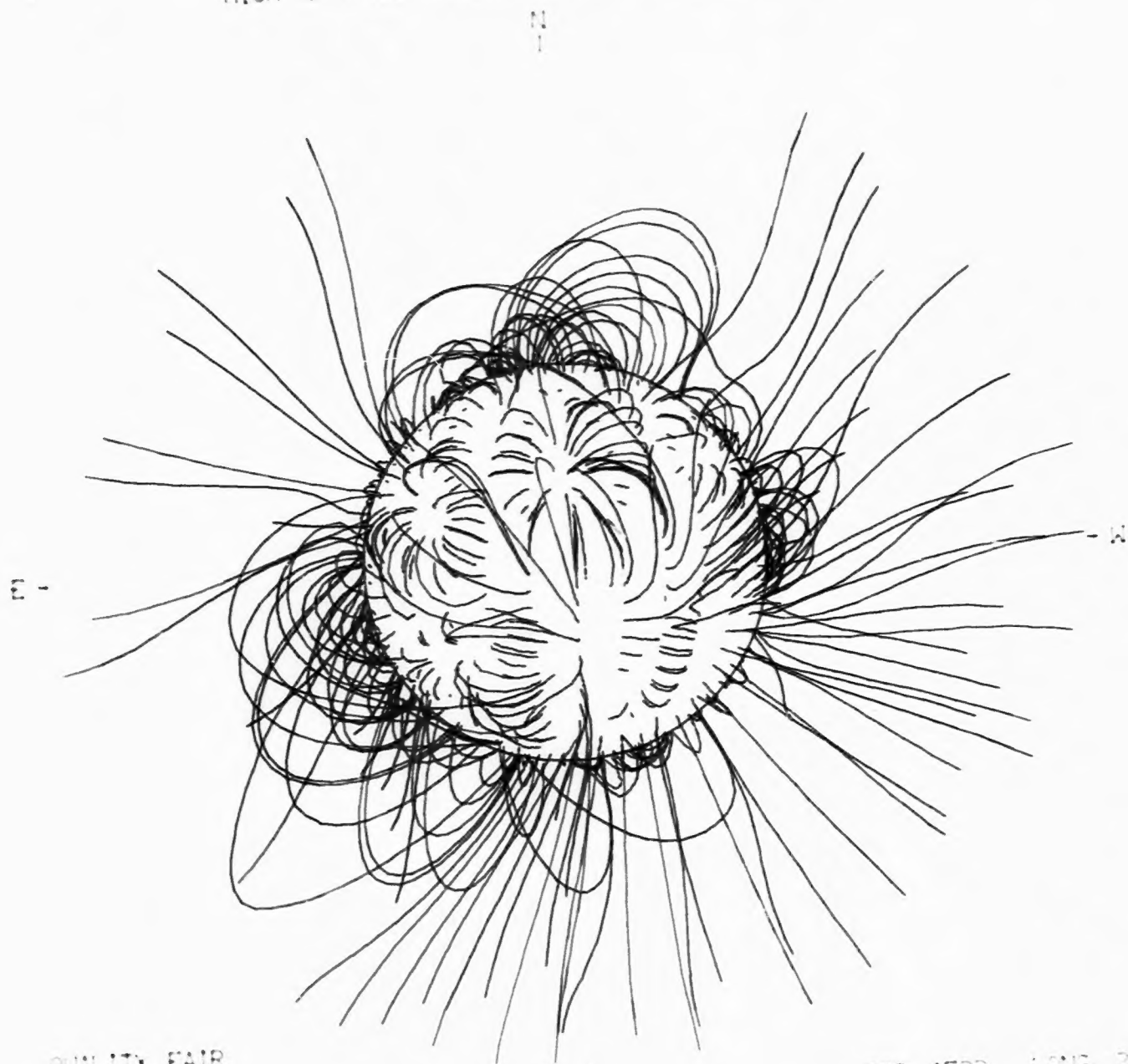


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

1
S

ROT. 1522 LONG. 240°
20.7 JUN 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

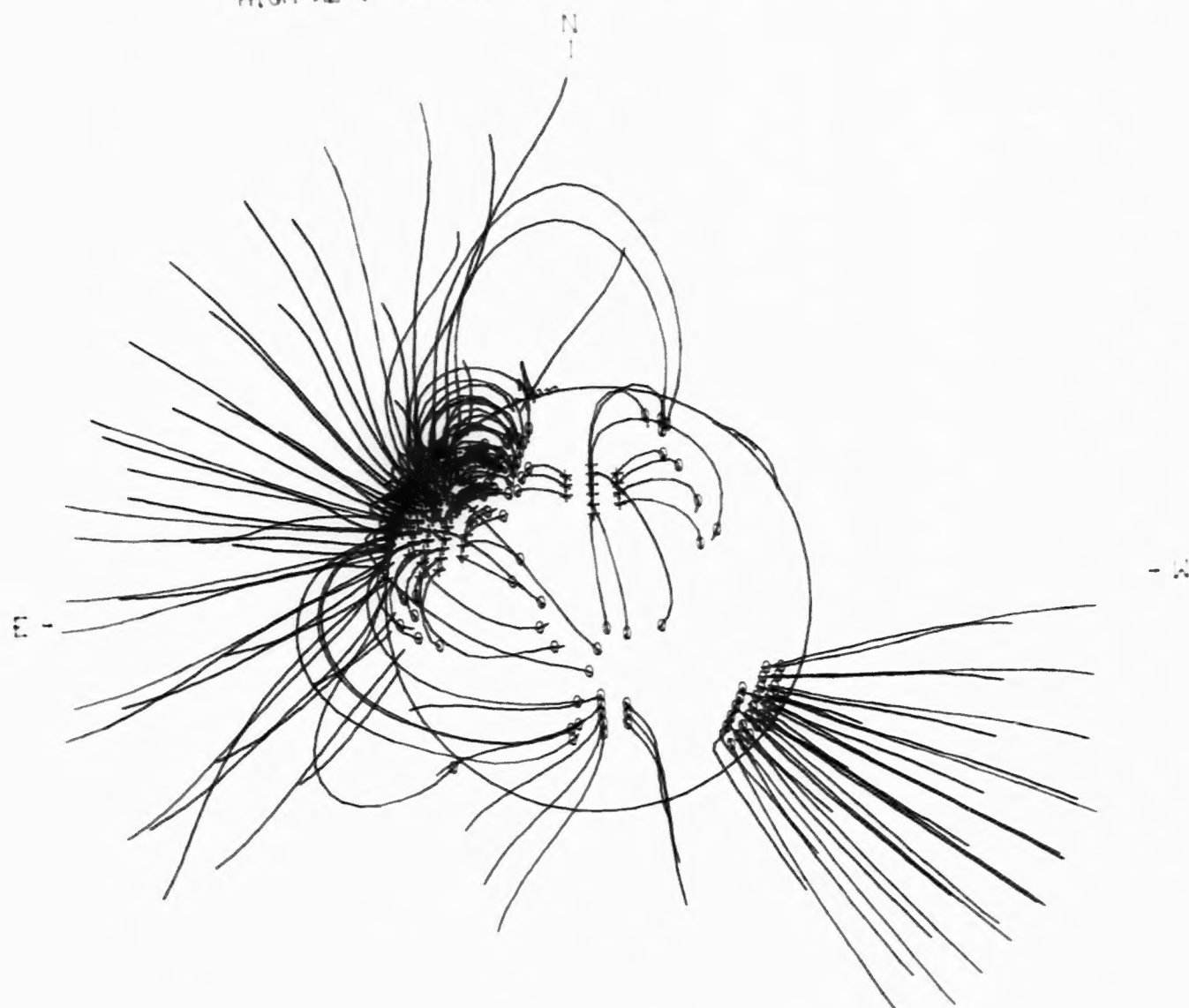


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

1
S

ROT. 1522 LONG. 230°
21.4 JUN 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

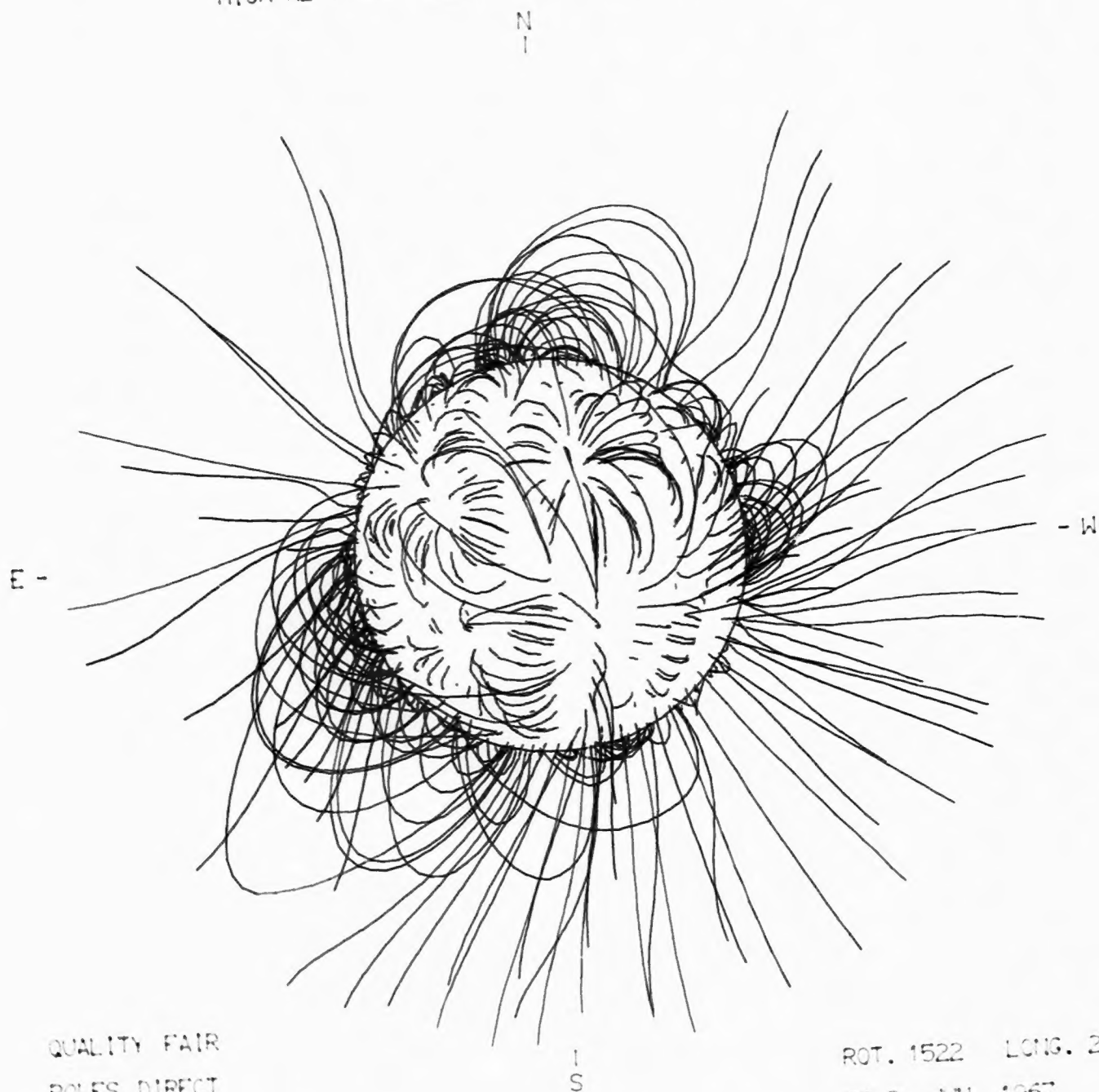


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1522.00

S

RCT. 1522 LONG. 23°
 21.4 JUN 1967

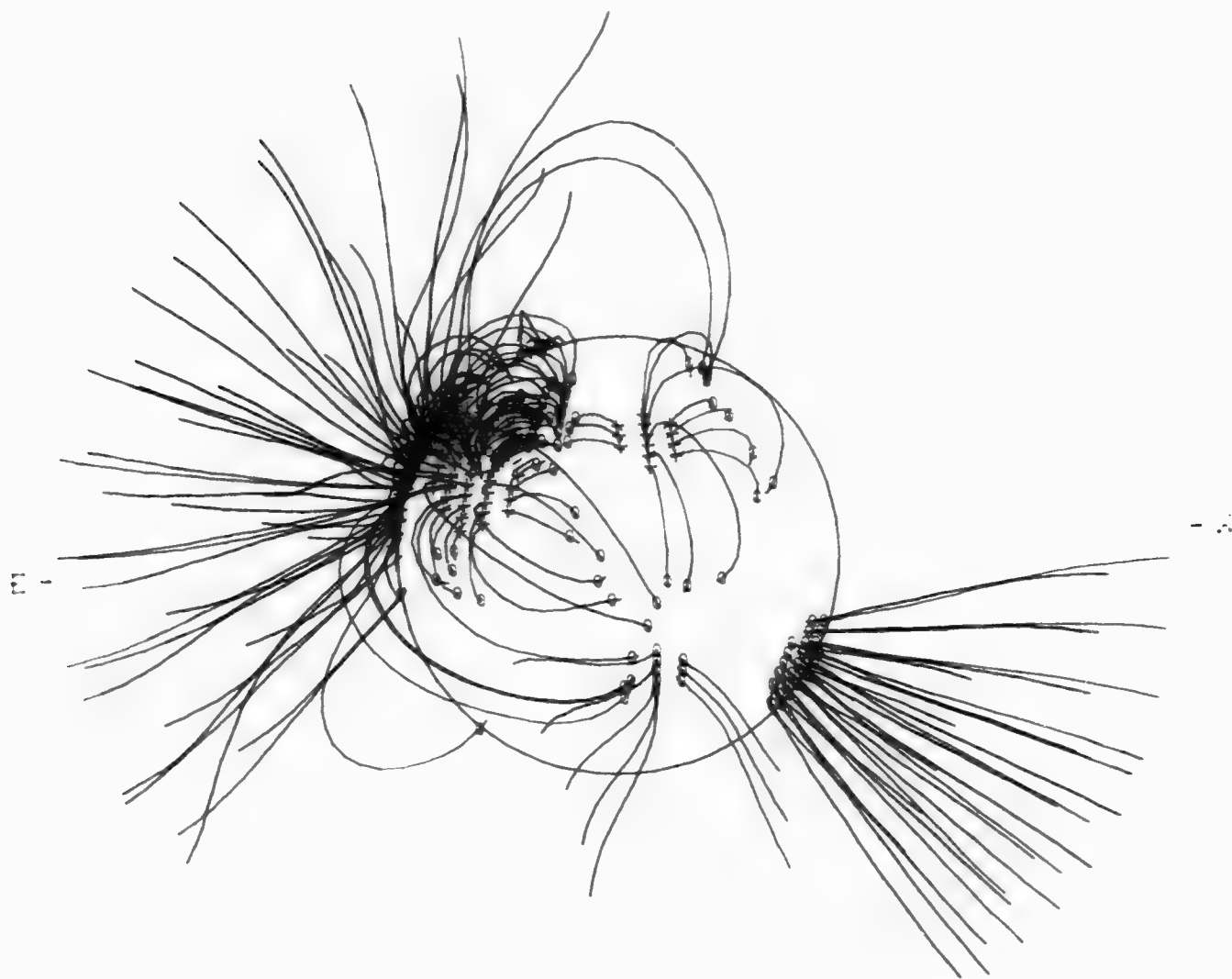
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.00

ROT. 1522 LONG. 220°
22.2 JUN 1967

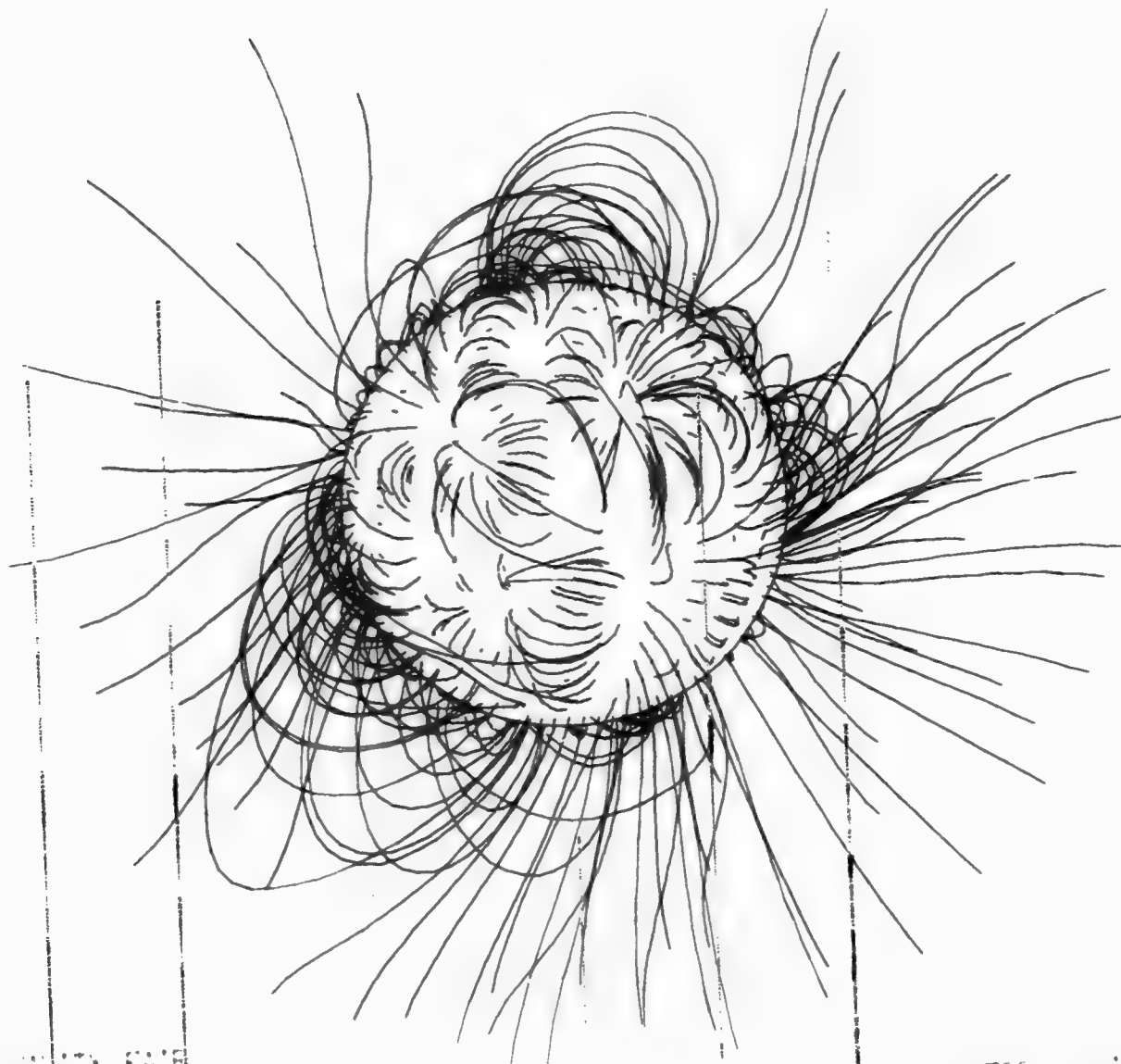
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORY
 HAILE OBSERVATORY

HAILE OBSERVATORY
 HAILE OBSERVATORY
 HAILE OBSERVATORY

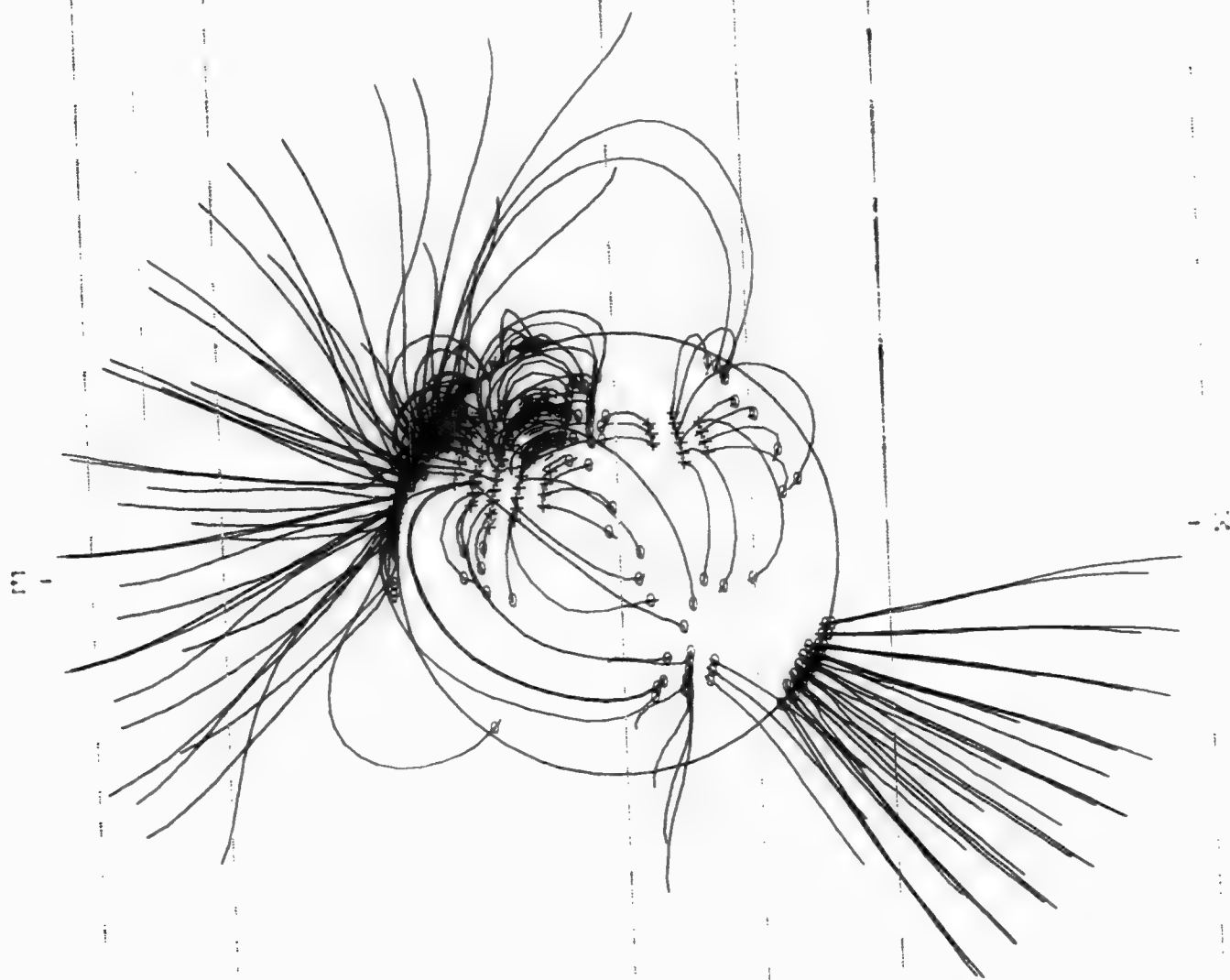
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
POLES DIRECT
DATA CENTER 1500.00

807.1501 1110.110
23.0 JUL 1967

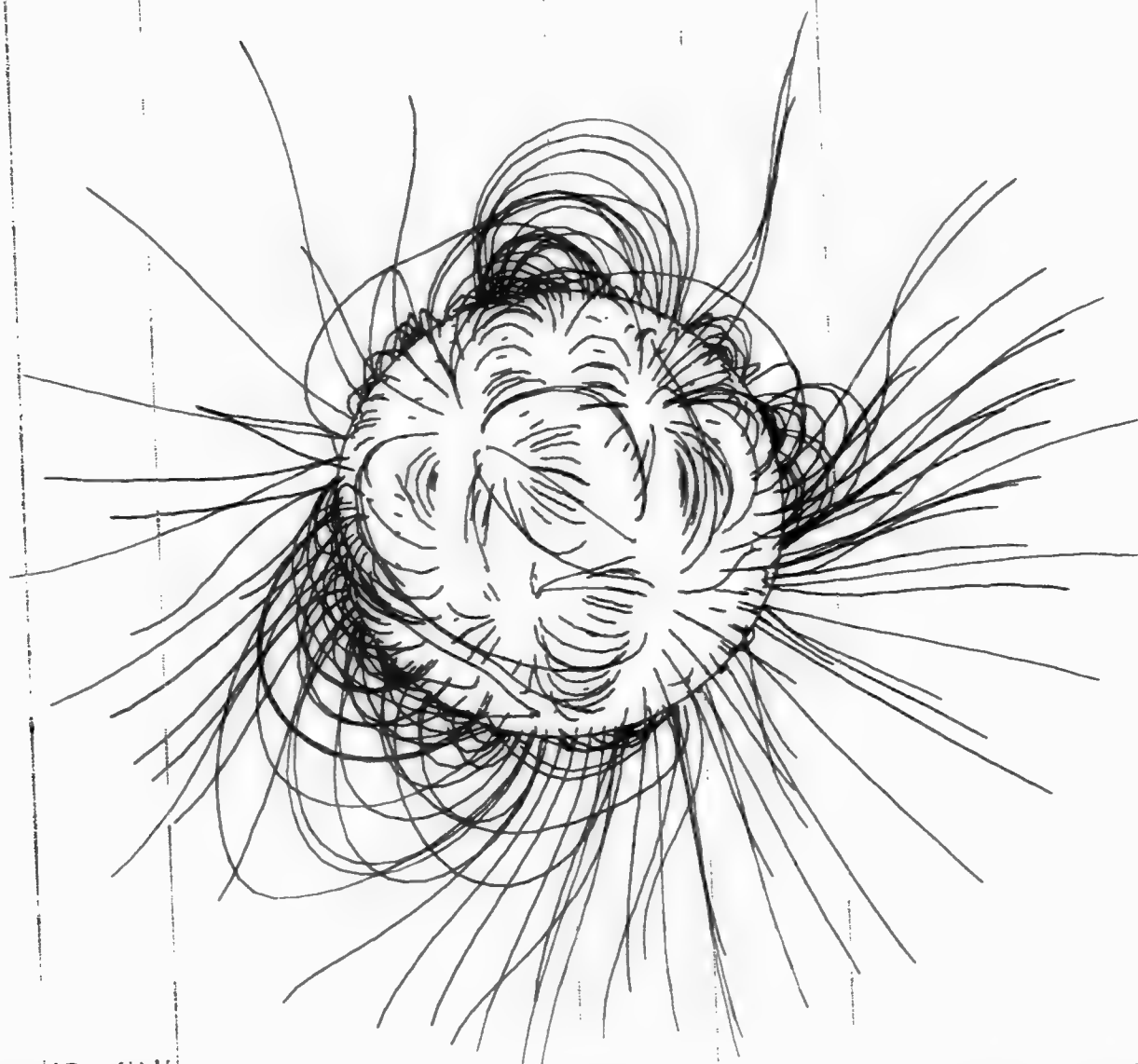
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



LUNAR FAIR
 PLEBS DIRECT
 DATA WINDOW 1522.00

ROT. 1522 1410. 210
 23.0 100 1967

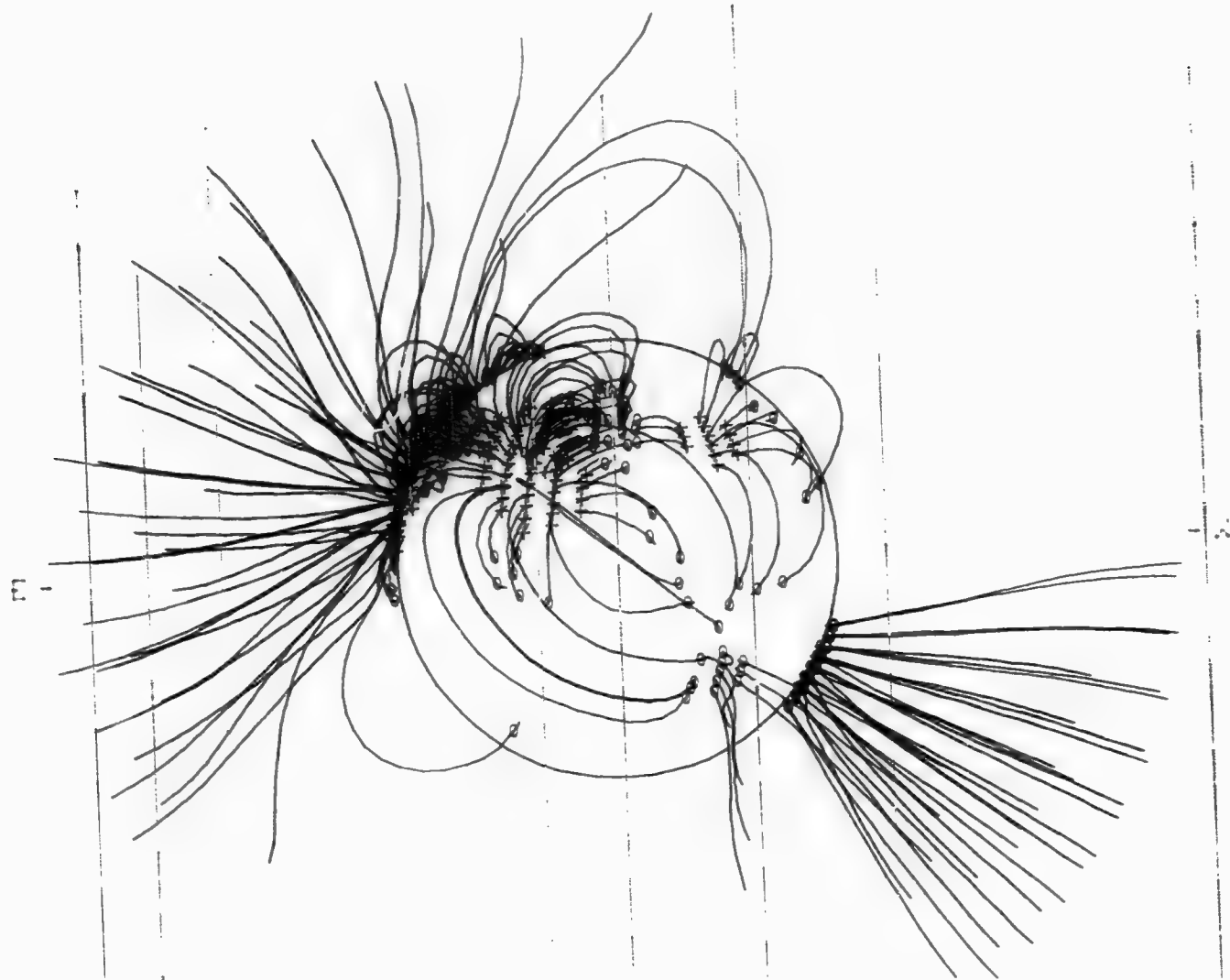
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1917
 1917-1918

HALE OBSERVATORY
 1917-1918
 1918-1919

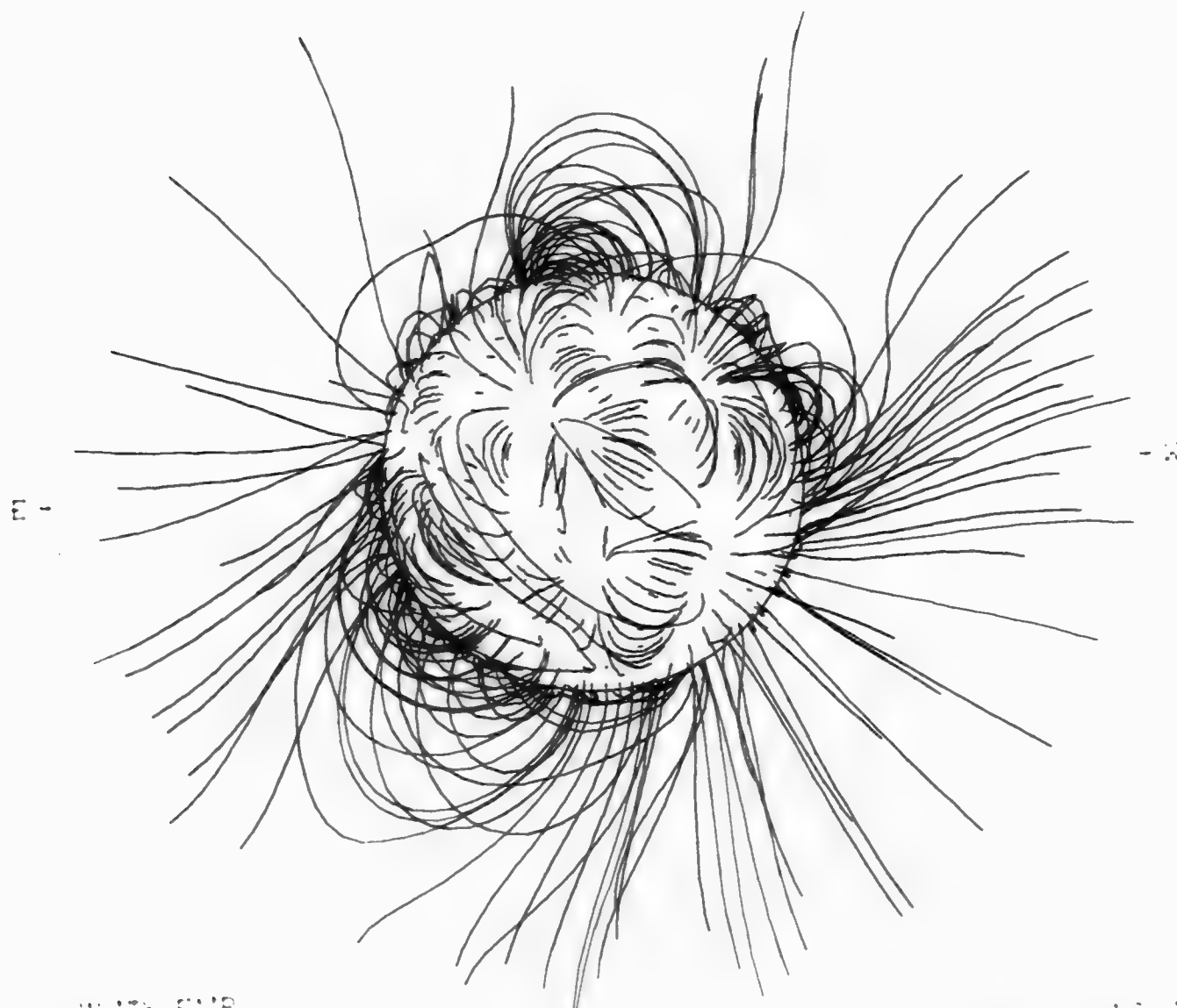
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA WITH IN 15.00.00

ROT. 1522 LONG. 211°
 23.7 111 1.57

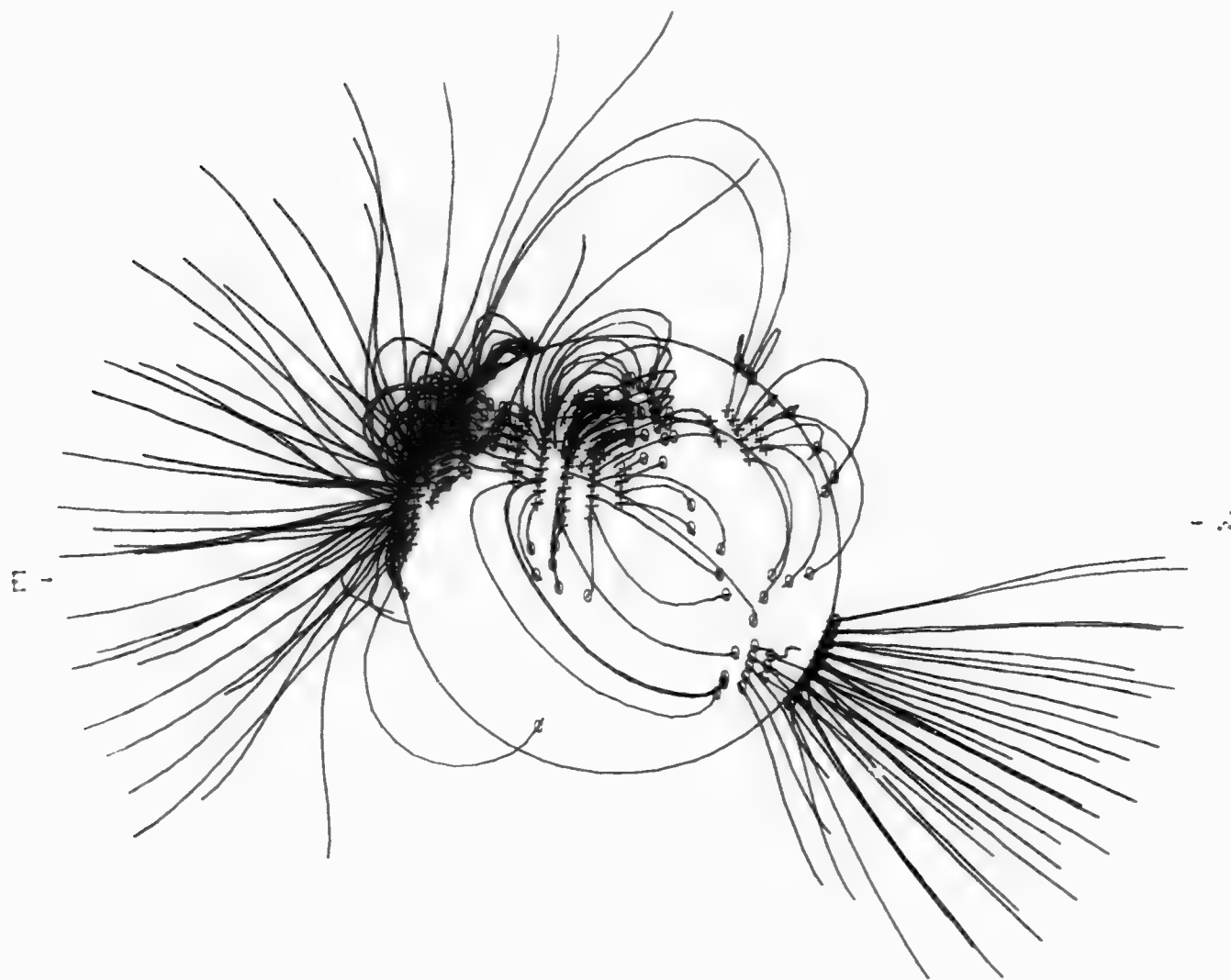
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



1. 12.17. 1948
 POLES DIRECT
 DATA AND/OR 1500.00

2. 1. 1522 1.13. 1948
 24.5 1.14. 1948

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

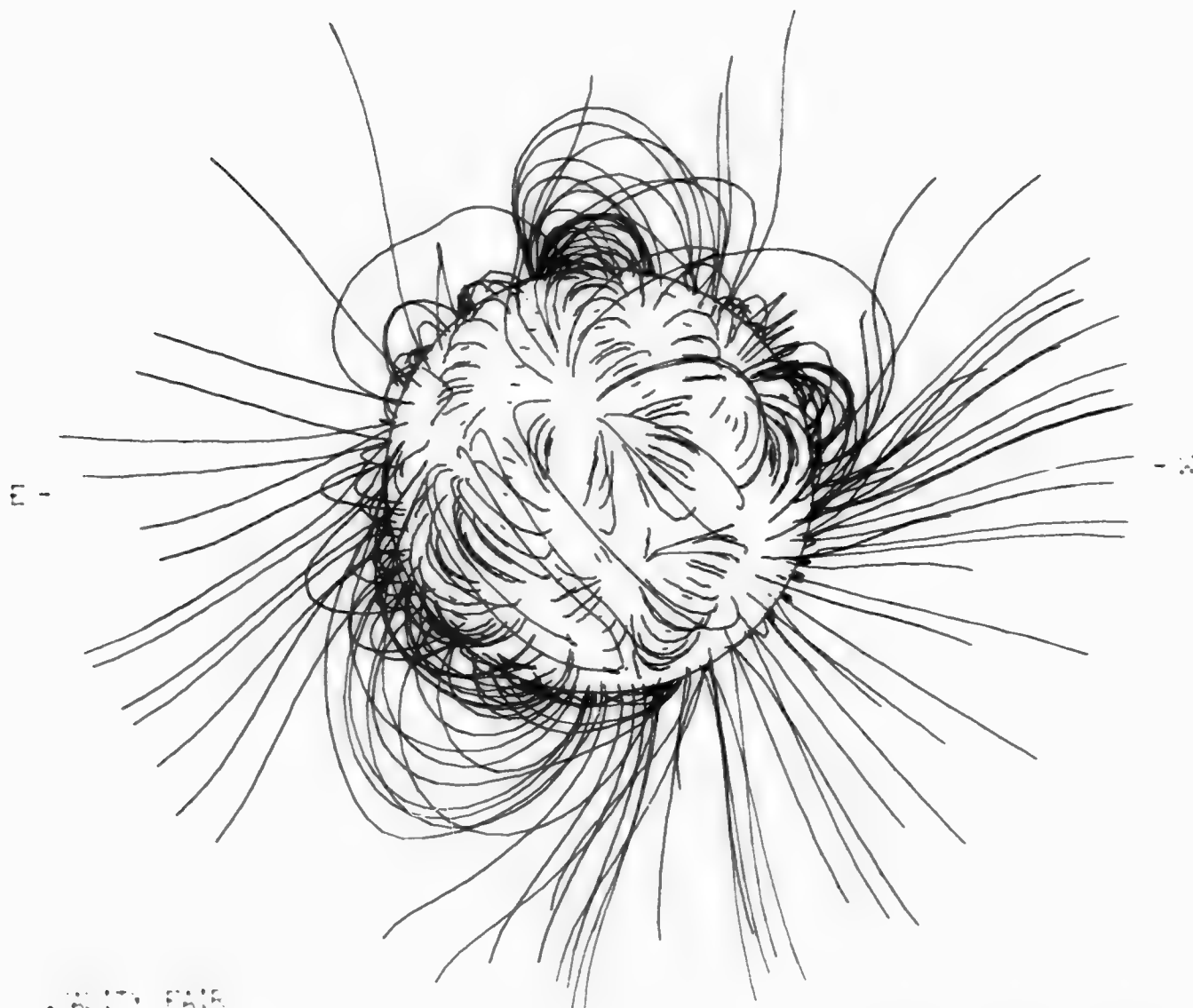


QUALITY FAIR
 RULES DIRECT
 DATA WITHIN 100.00

5

RET. 1521 100.00
 10.5 100.00

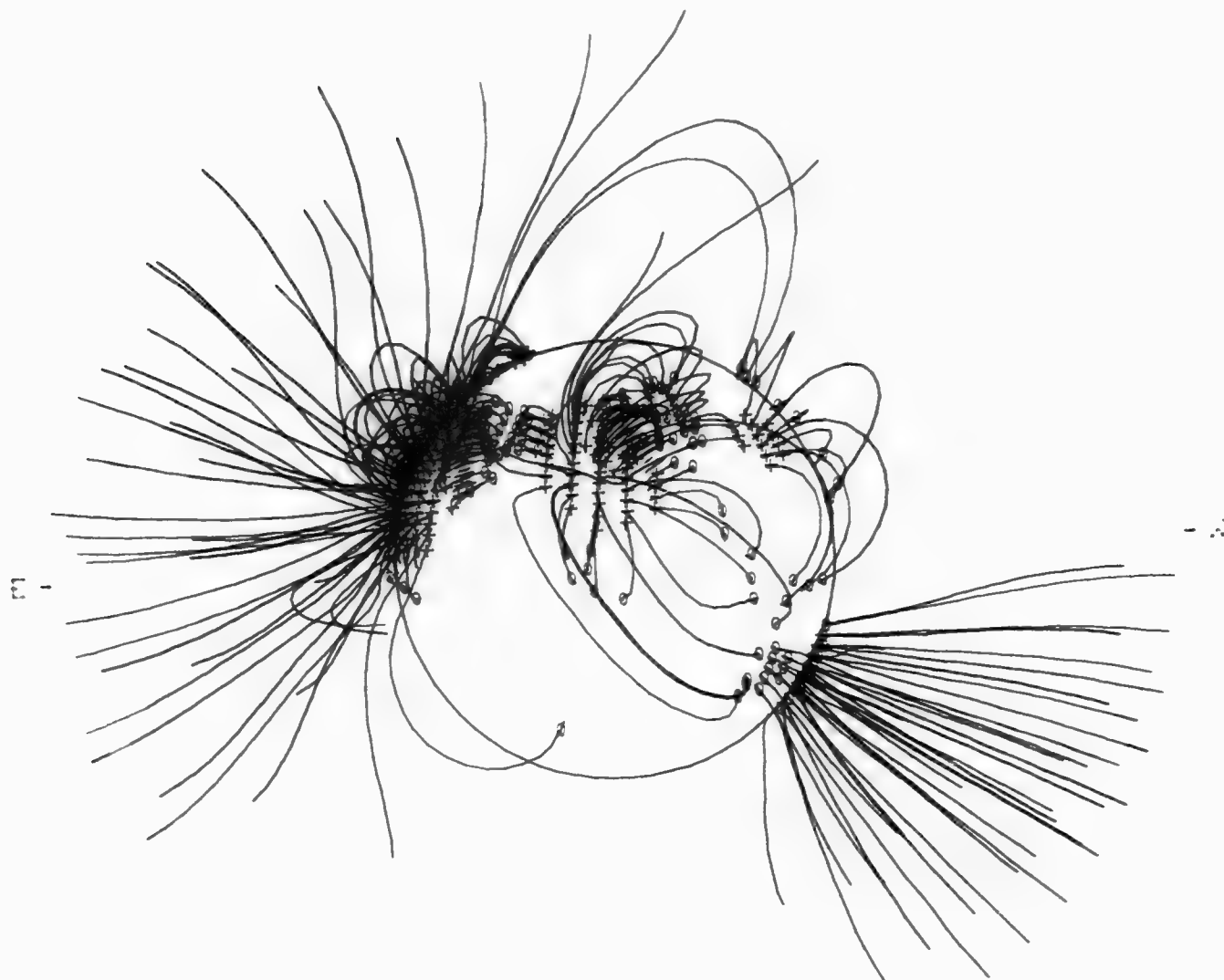
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA AND/OR INSURANCE

2.1. 1951 1.10. 1951
 25.1. 1951 1.10. 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FLIGHT DIRECT
 DATA WAVE IN 1500.00

1
 5

8.7. '52 10.0. '51
 25.1. '51 1.00

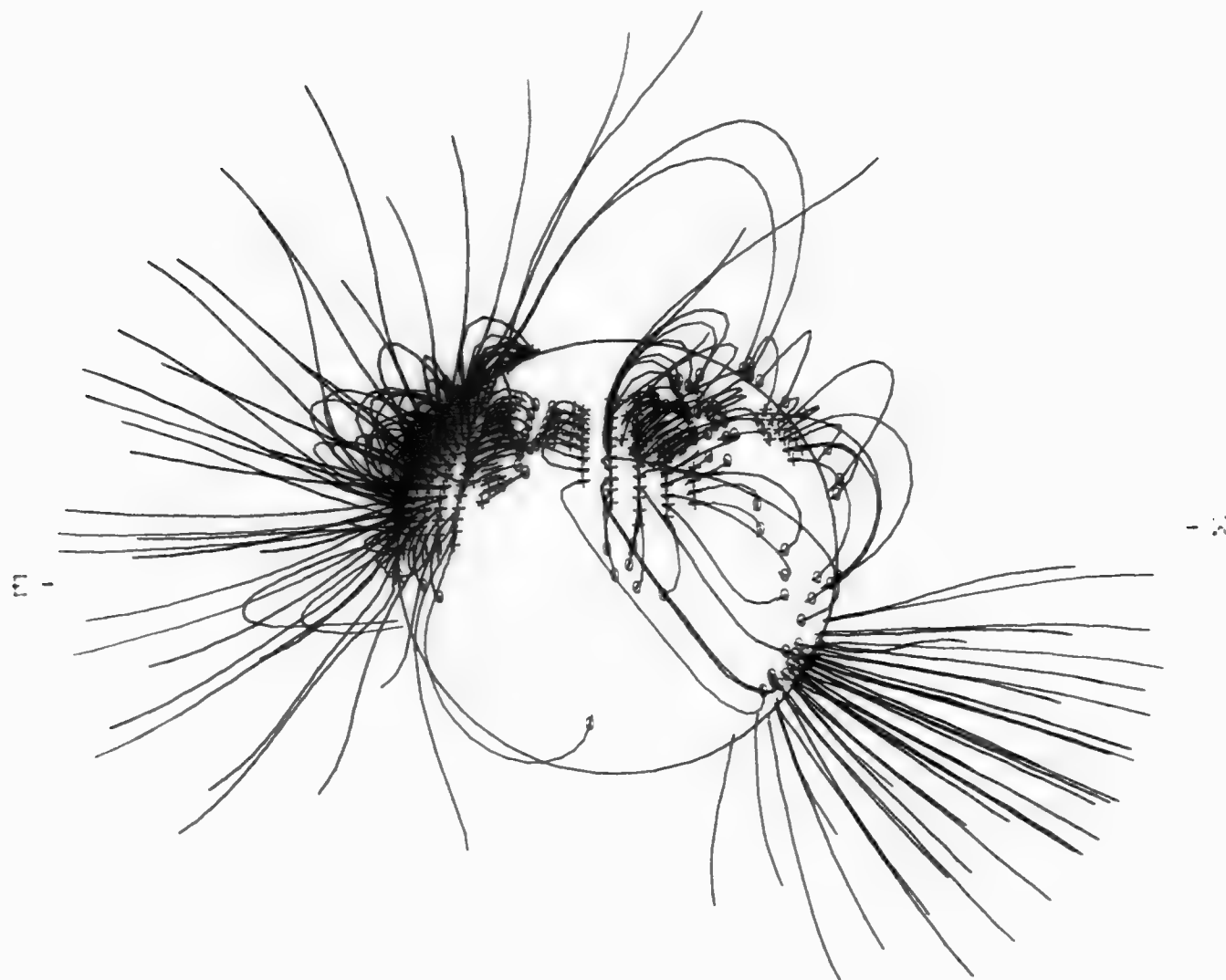
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PLEASANT DIRECT
 DATA APRIL 15 1967

8.7. 1522 10.13. 171
 26.0 10.13. 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WIDE IN FOLLOW

S

27. 1921 1922 1923
26. 1924 1925 1926

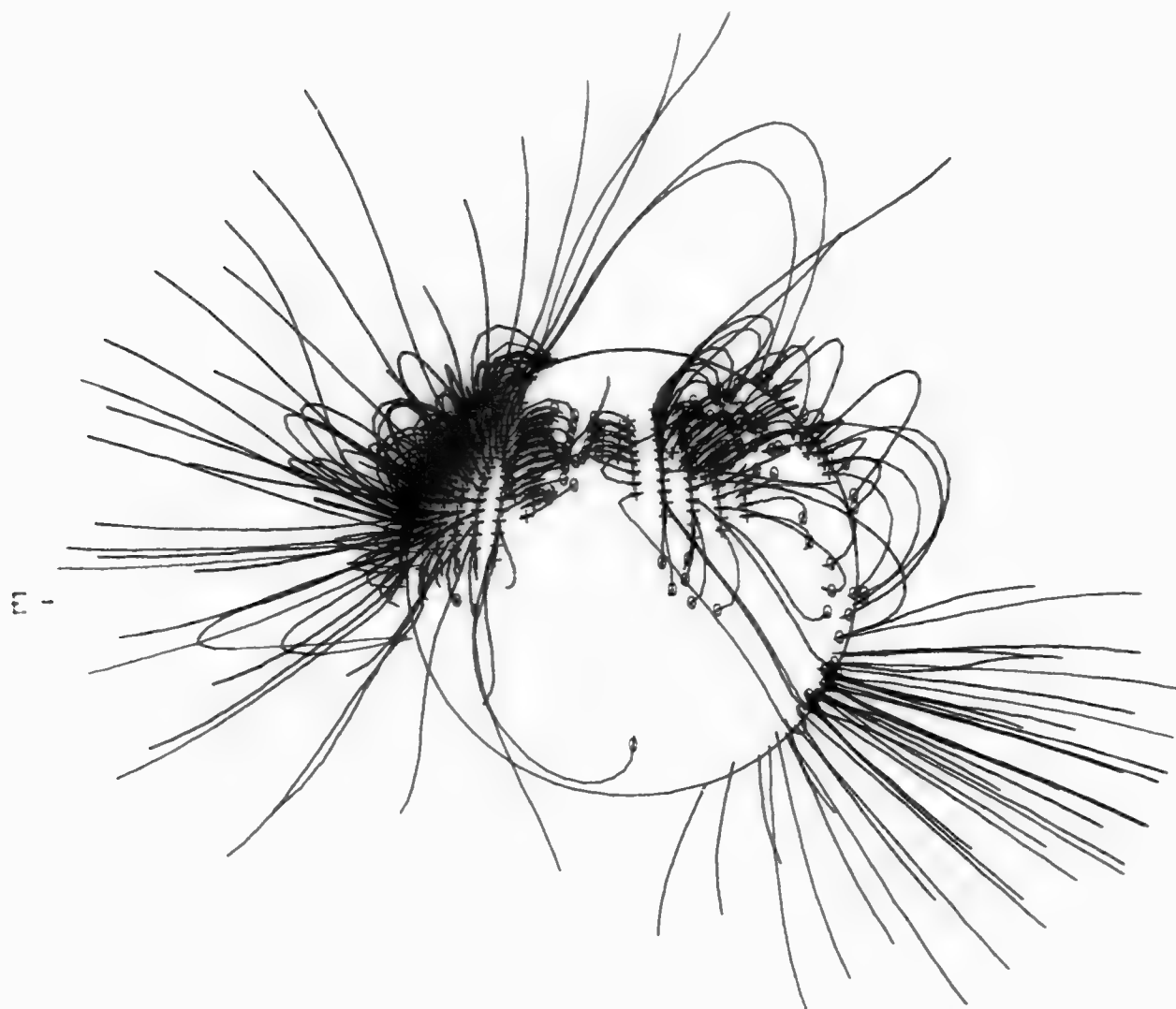
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



20170 FAIR
POLES DIRECT
DATA DATE 11 1502.00

ROT. 1522 1110. 160°
26.7 111 160°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

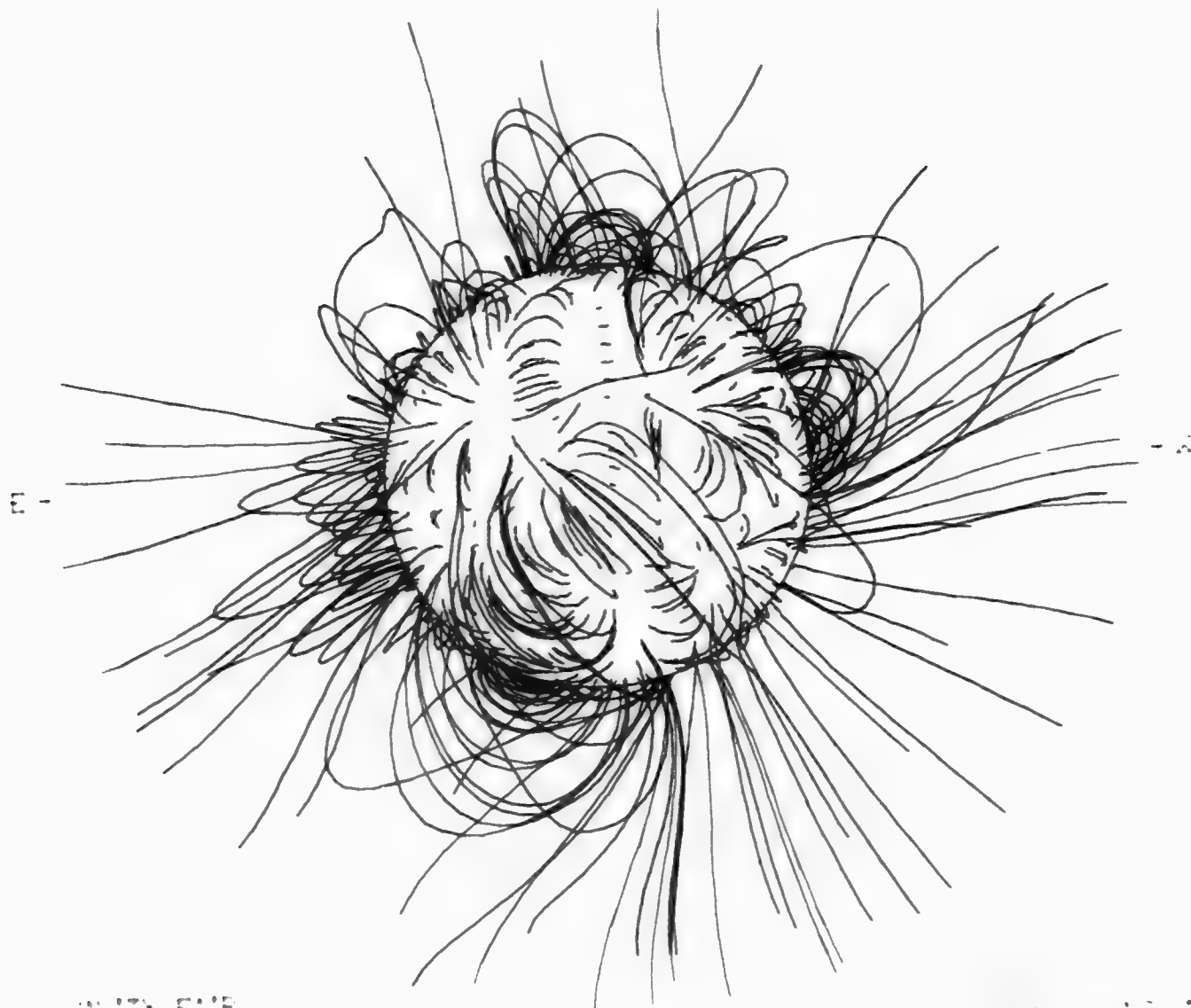


QUALITY FAIR
 FILED CURRENT
 DATA WIND IN 1500.00

S

R.T. 1500 200. 150
 26.7 150 150

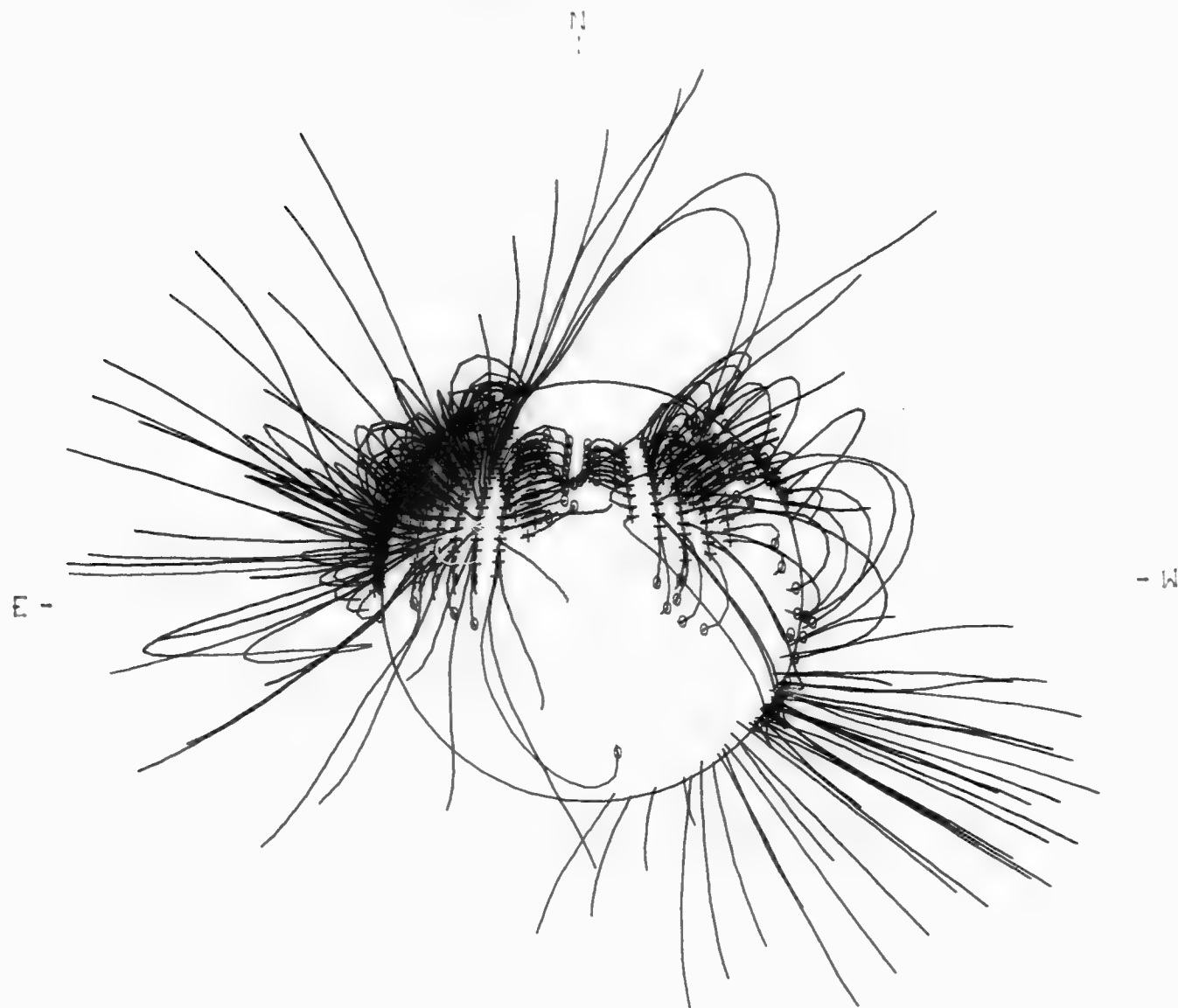
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA AND/OR PRELIM

RUT. 152. 100. 150°
 27.5 10. 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

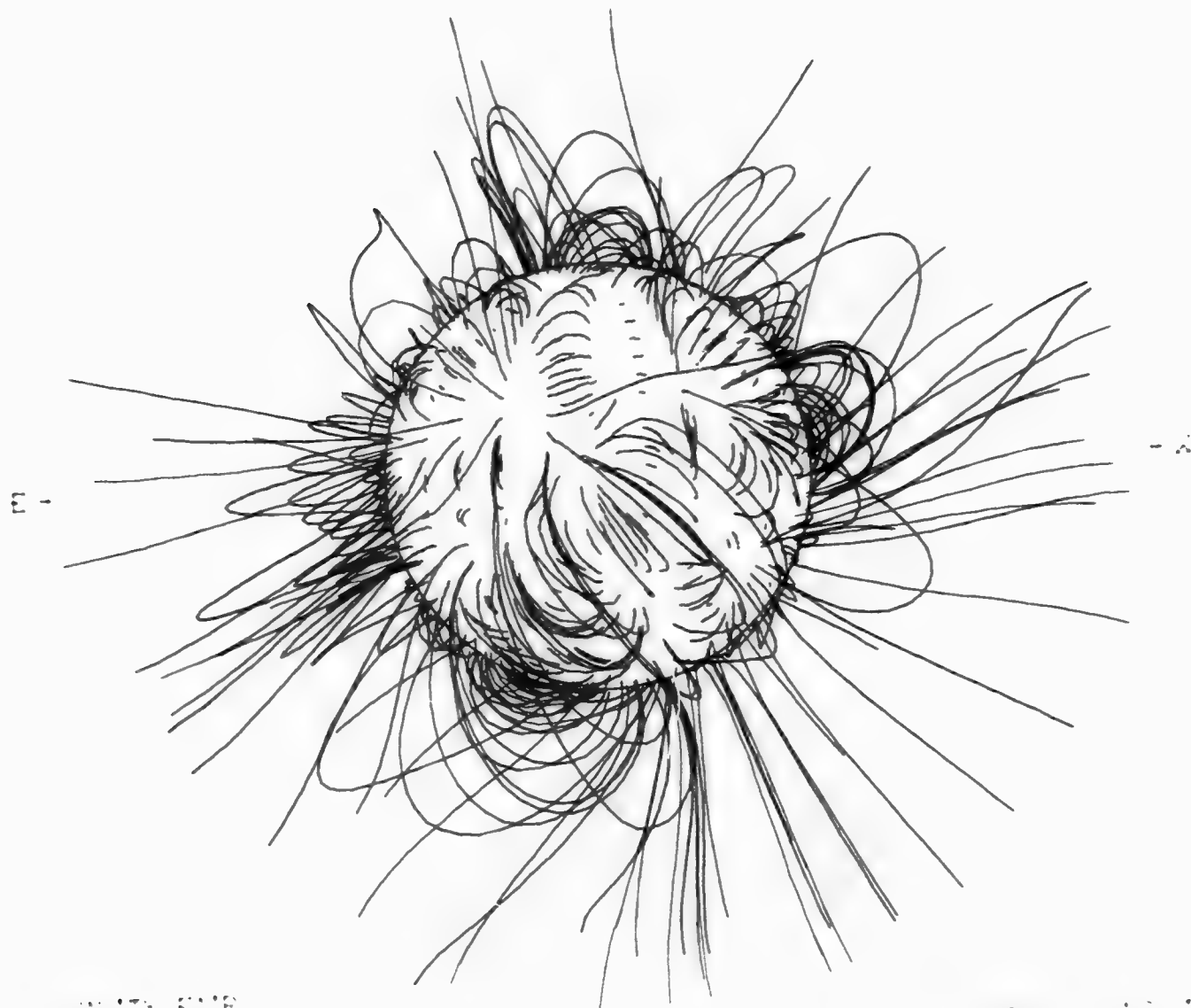
DATA WORK IN 1522.00

S

ROT. 1522 LONG. 151°

27.5 00: 1967

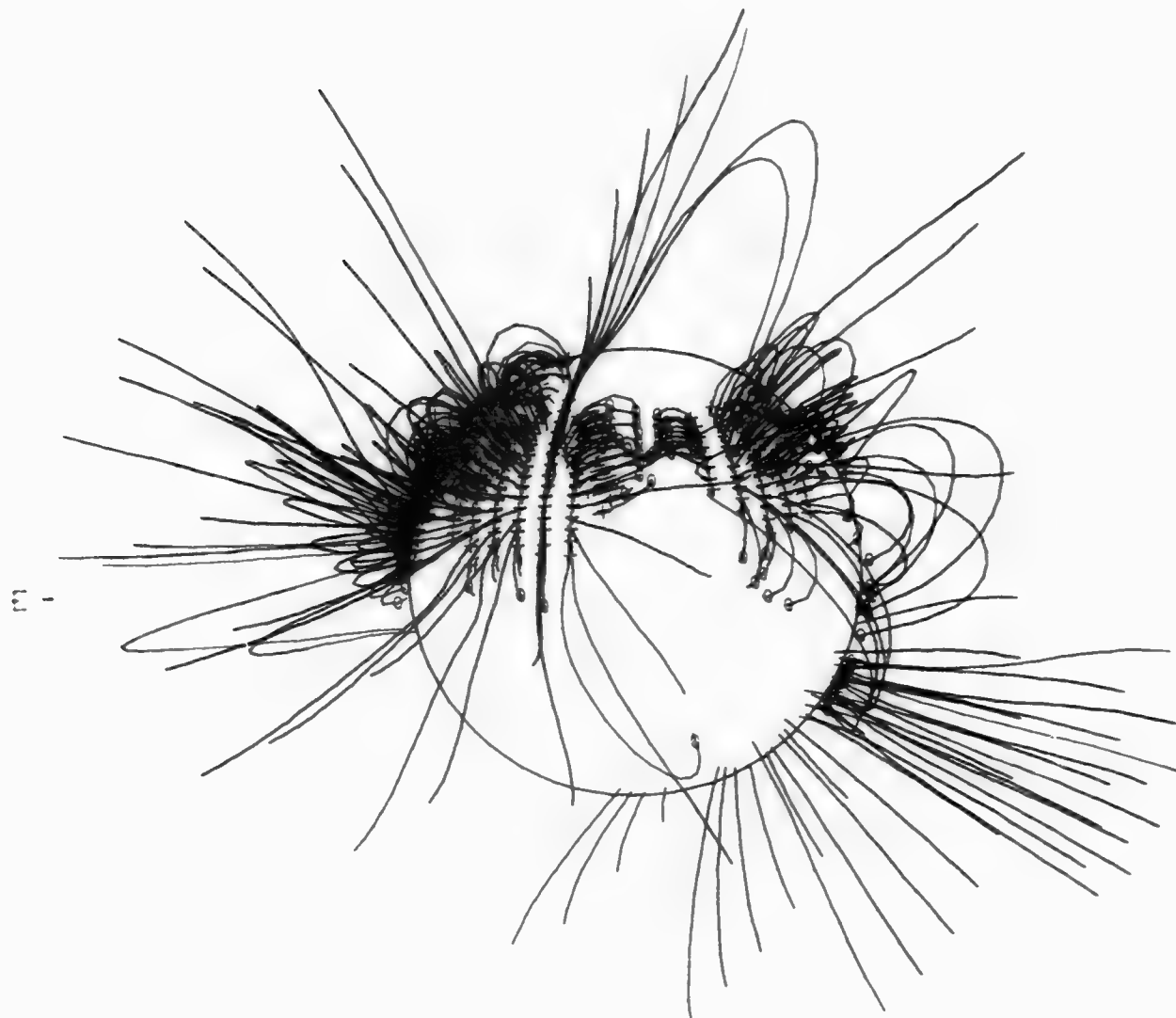
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRE
DATA AND IN PROGRESS

17. 15. 1964
18. 15. 1964

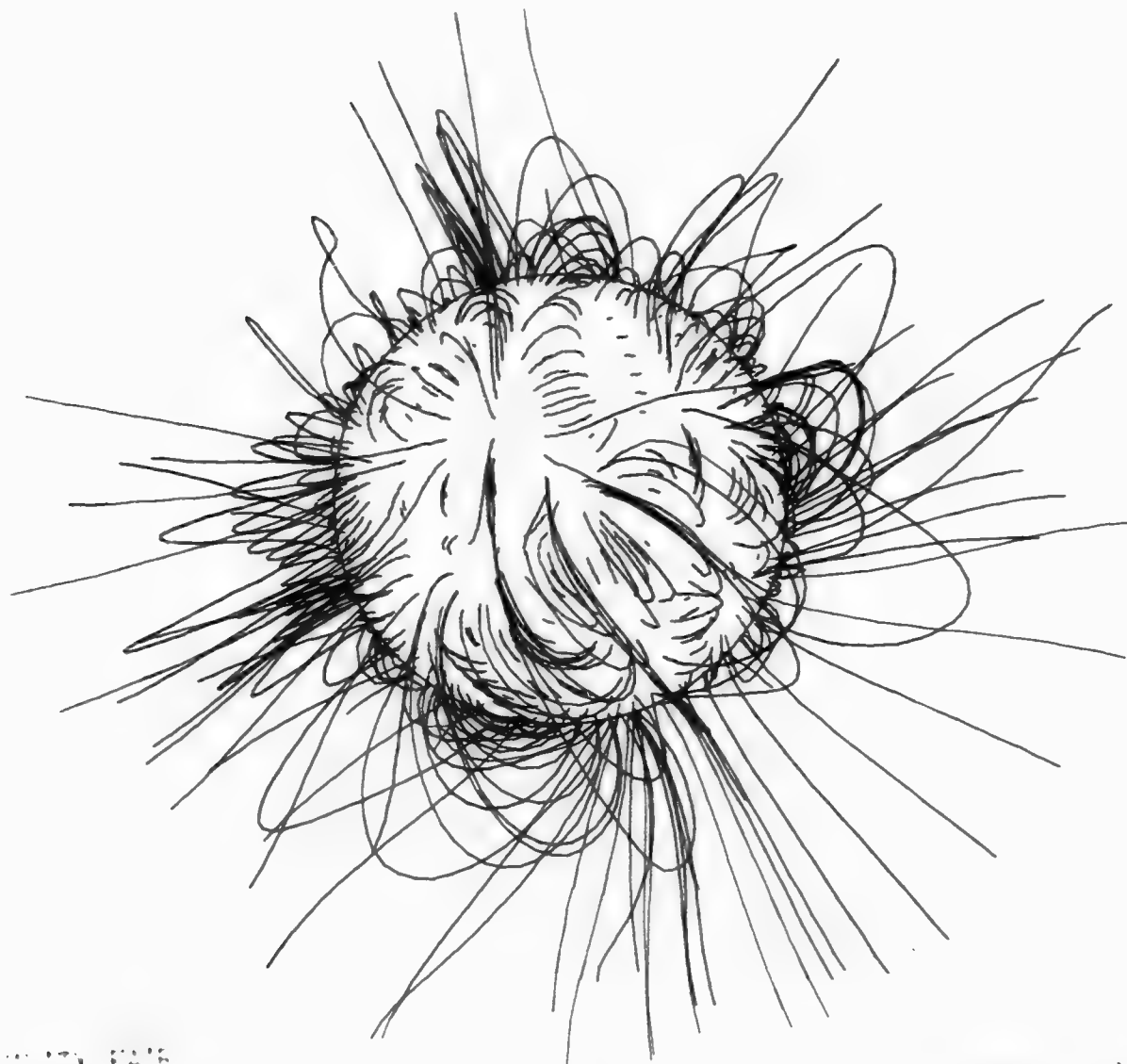
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FULLY LIT
 DATA AND LA 1961.00

9.7. 1961 11.00. 140°
 28.3 10.0 1.67

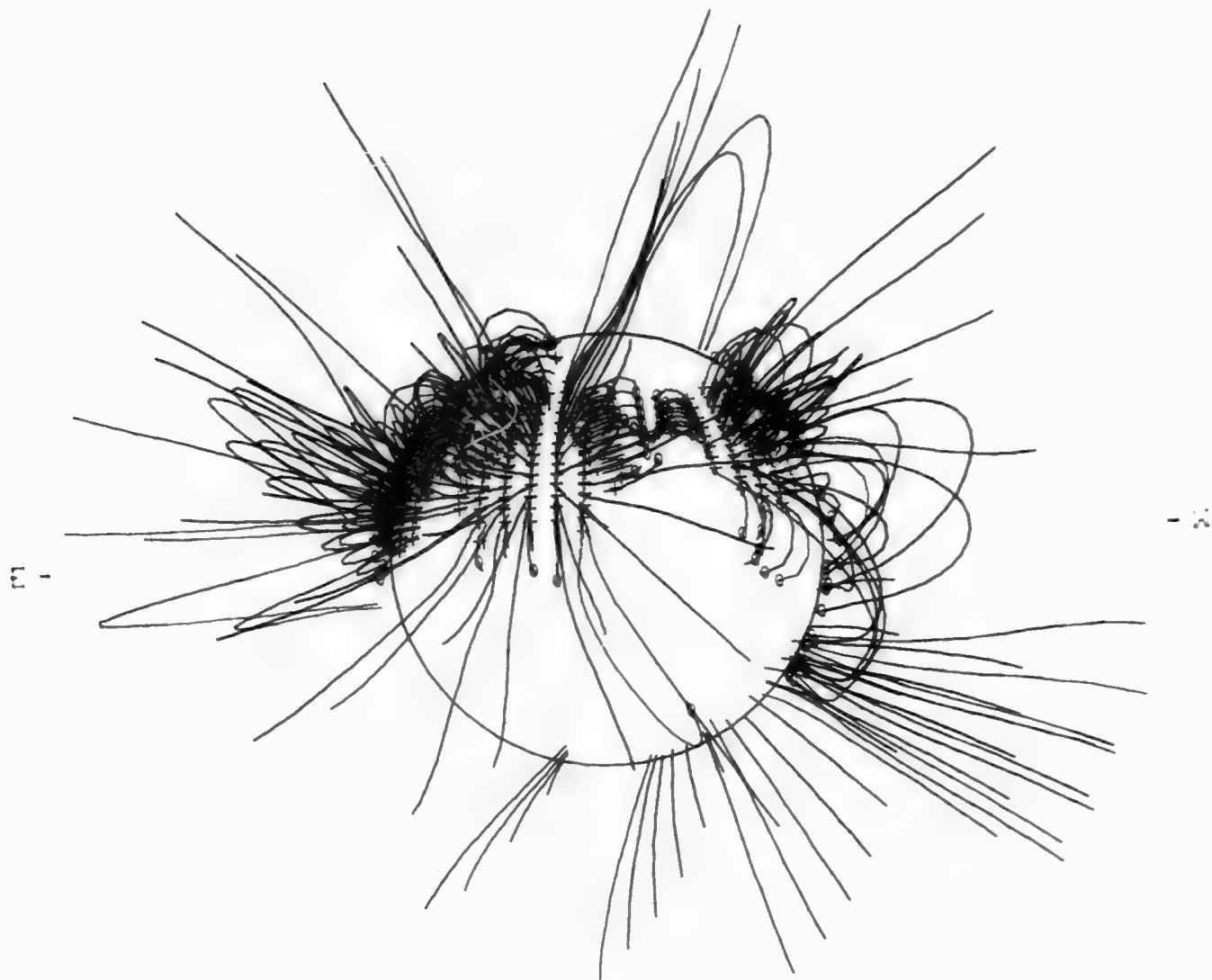
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA WINDOW 1522.00

RT. 1522 100. 152
240 100 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

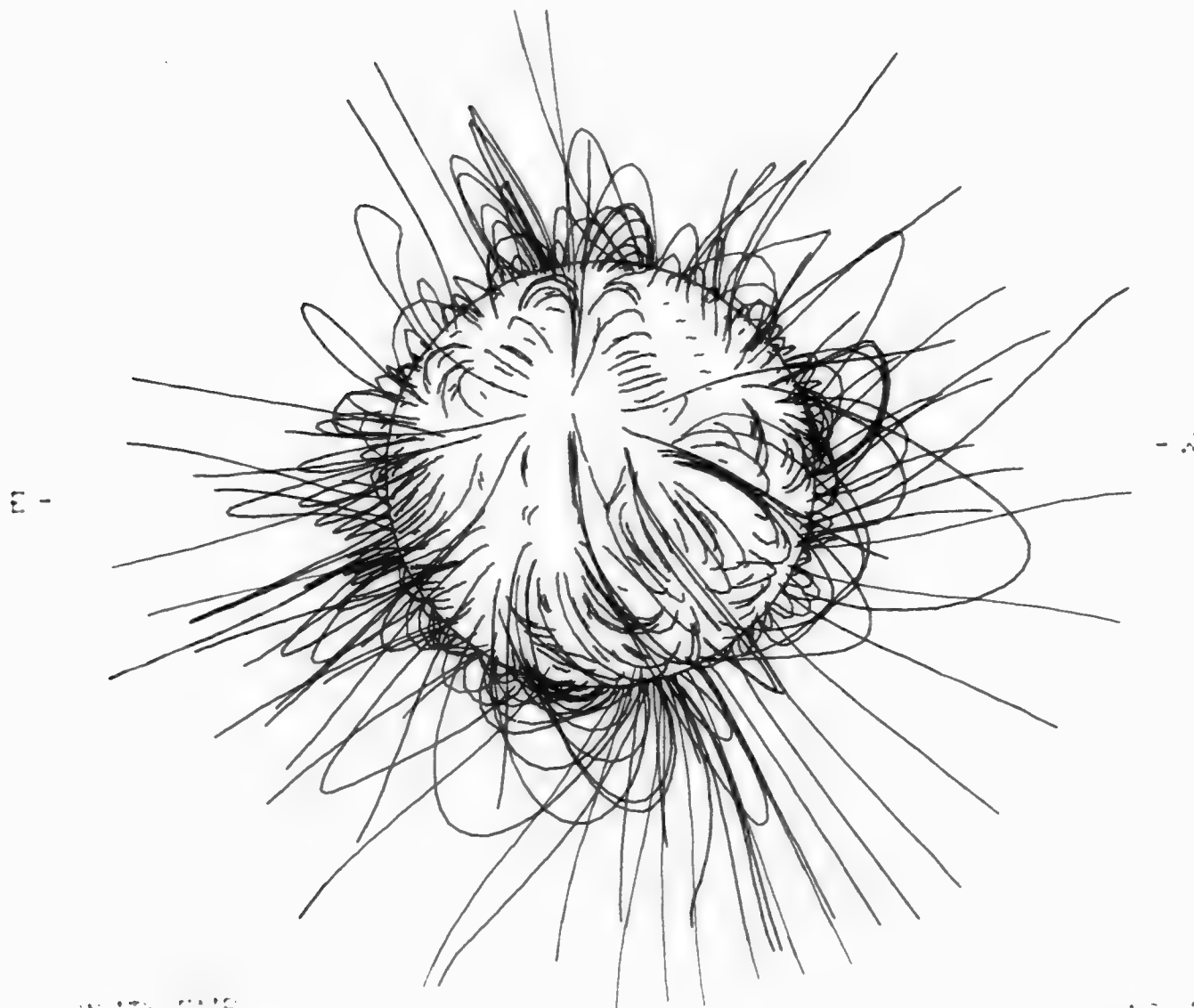


HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA AND ANALYSIS

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HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA AND ANALYSIS

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

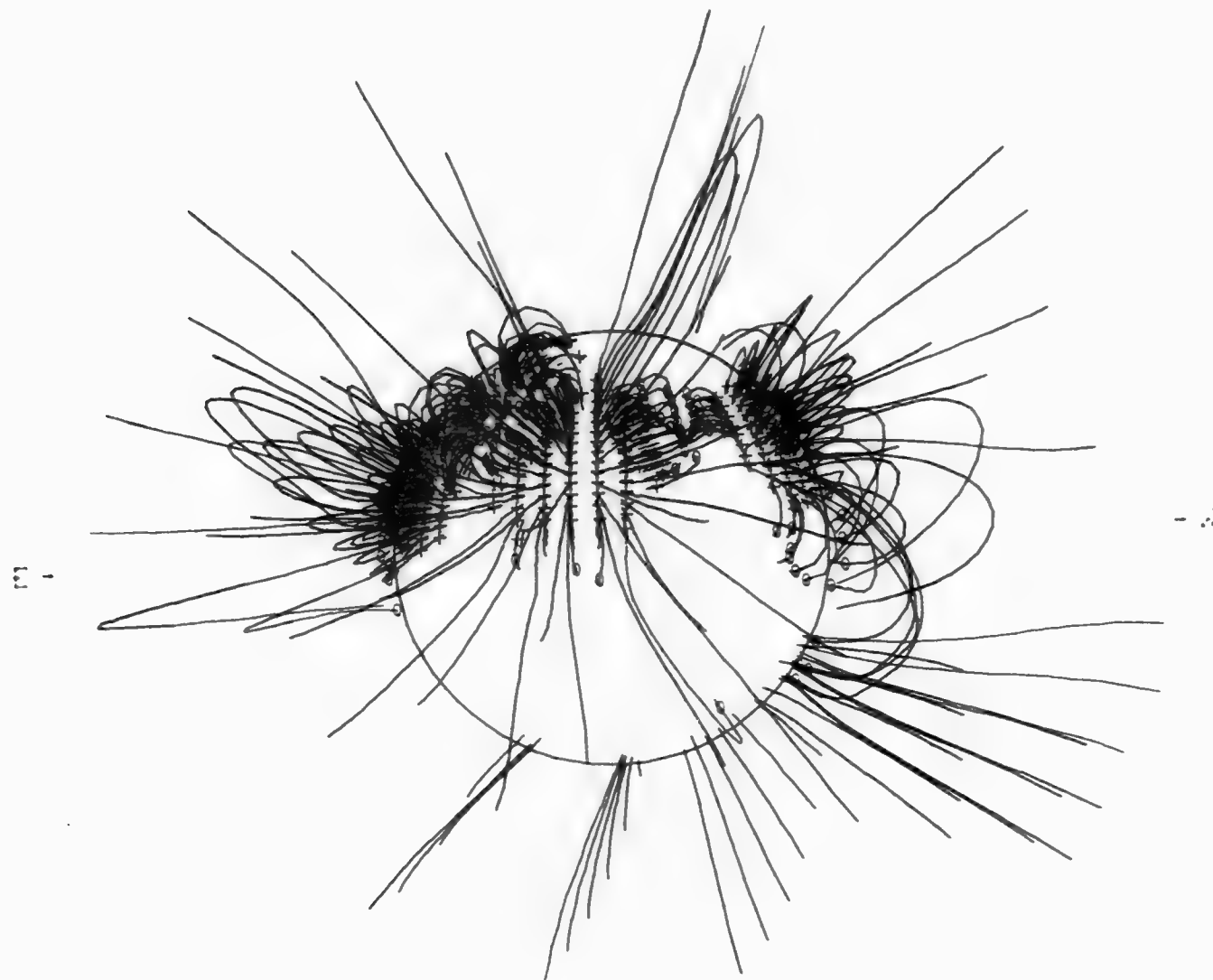


QUALITY PAIR
 FILLED DIRECT
 DATA AND/OR 1961.00

S

6.7. 1522 20.0. 100°
 29.8 100 100°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

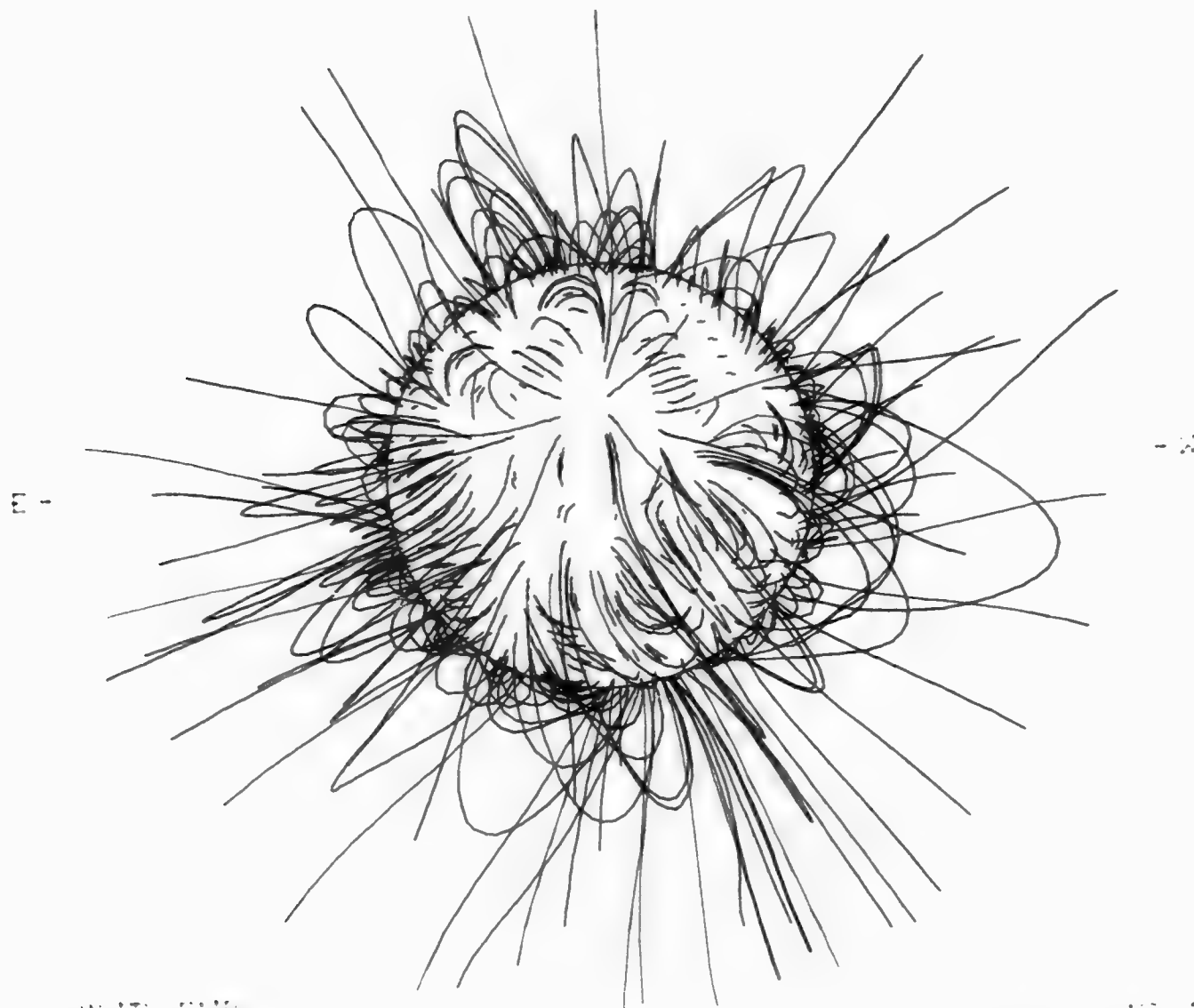


HALE OBSERVATORY
 1950-1951
 DATA WIND ON 1500000

S

HALE OBSERVATORY
 1950-1951
 DATA WIND ON 1500000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

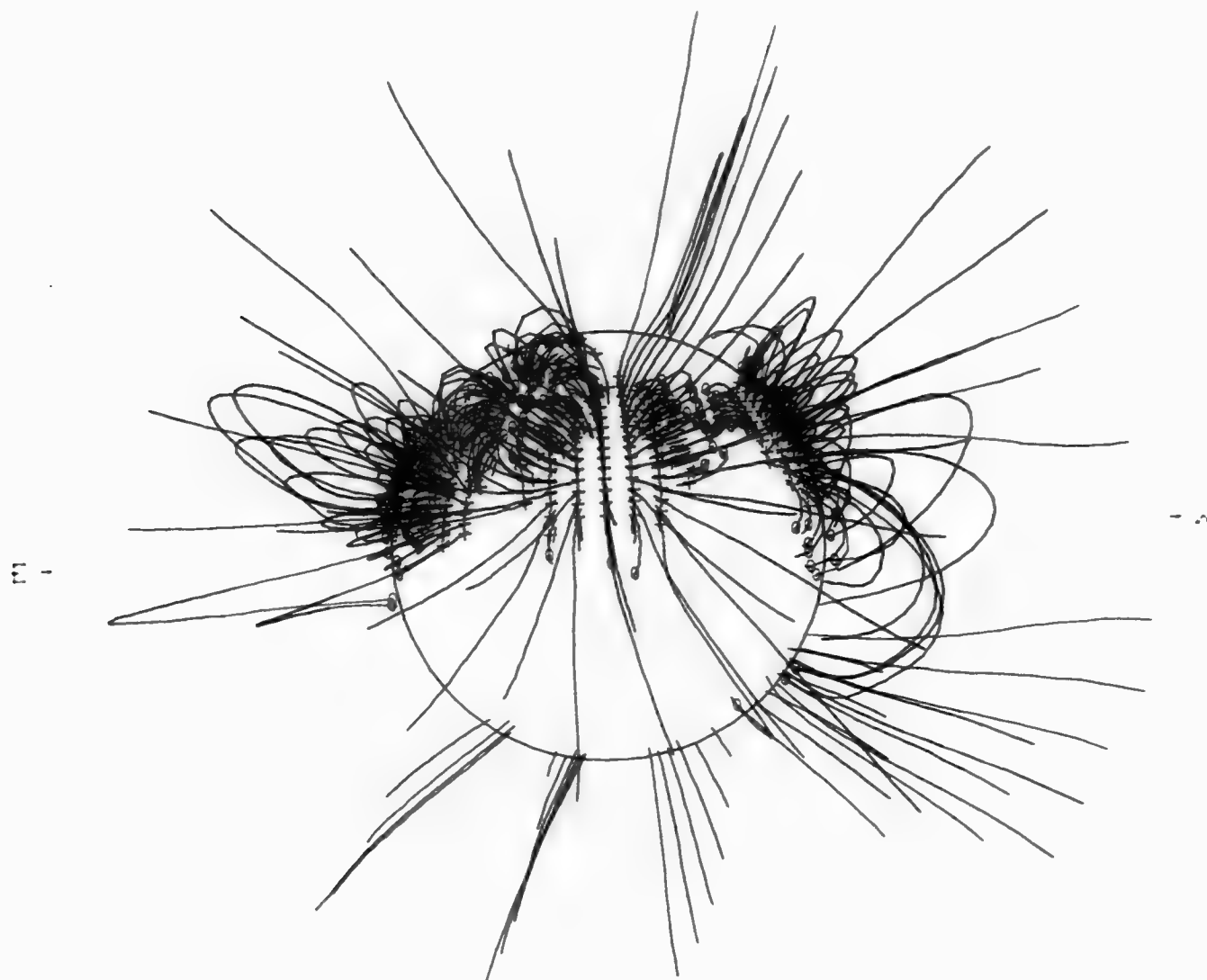


QUALITY FAIR
 PLEASANT
 DATA AND/OR RECORD

S

8.7. 1961 10.0. 1961
 30.5 10. 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

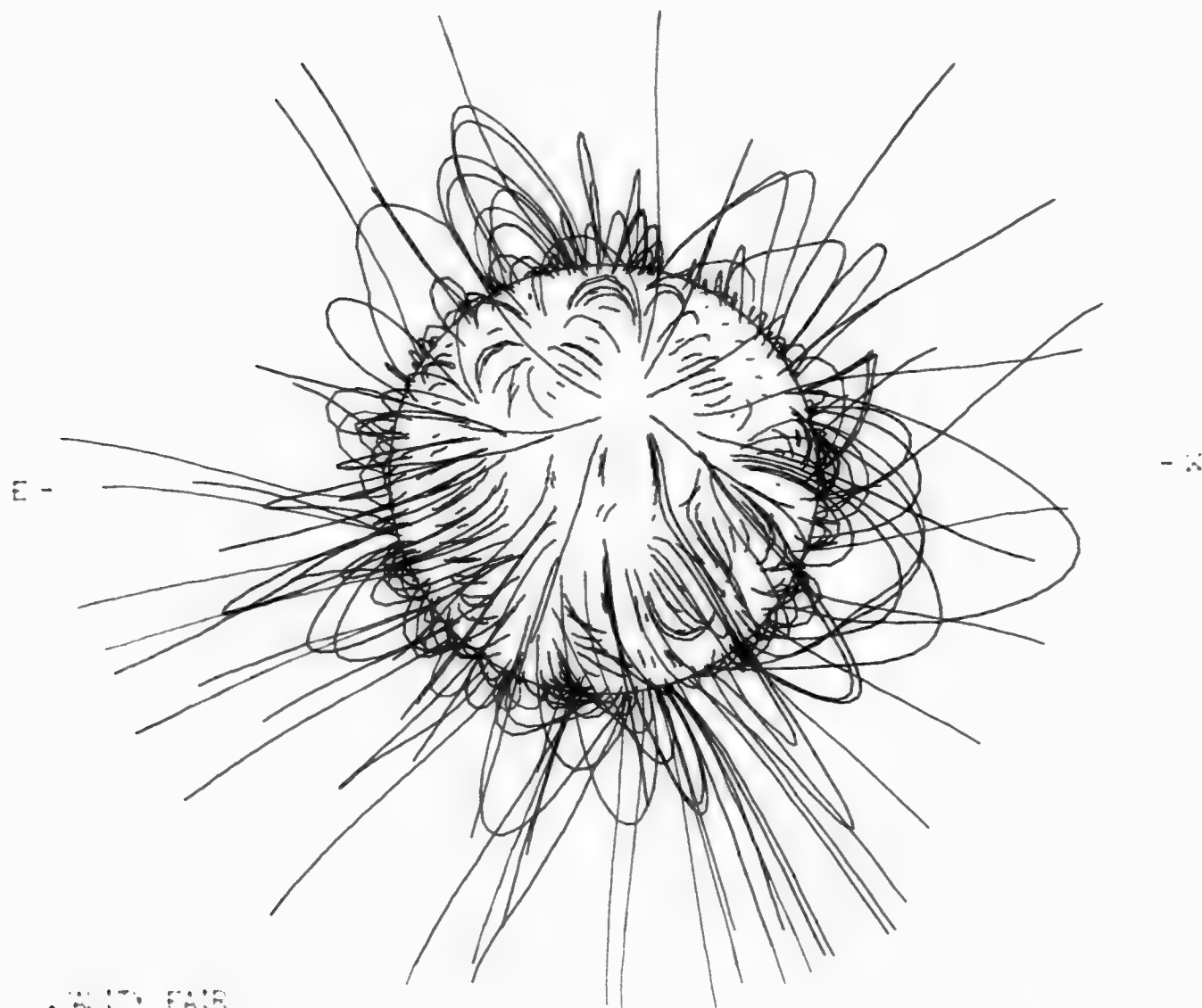


QUALITY FAIR
 POLES DIRECT
 DATA KINOLIN 1950.00

1
 8

207.1522 20.0.111
 30.5 1.1 1.25

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



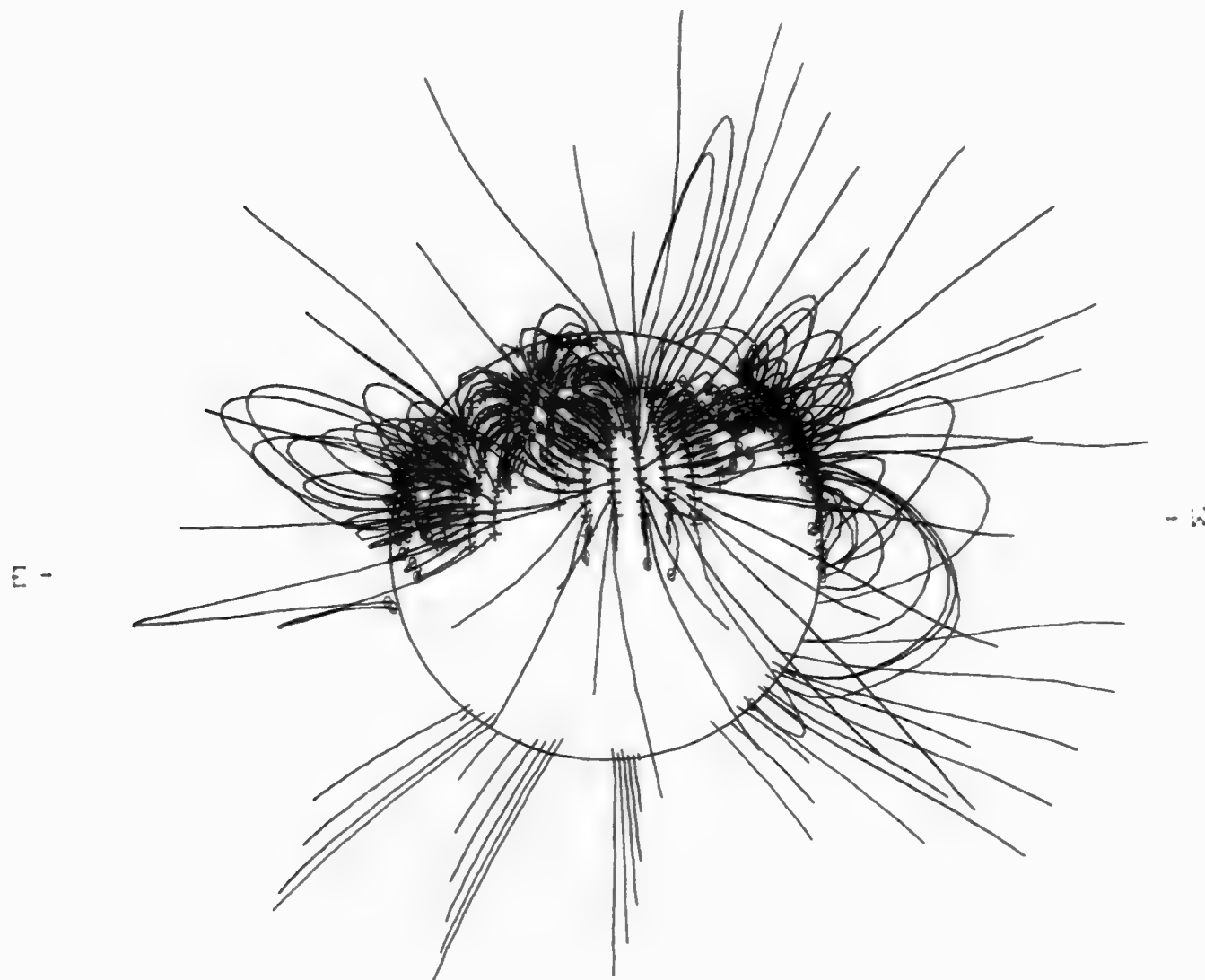
ALITY FAIR

FLIES DIRECT

DATA AND IN 1922.00

R.T. 1522 LUG. 100°
1.3 11 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

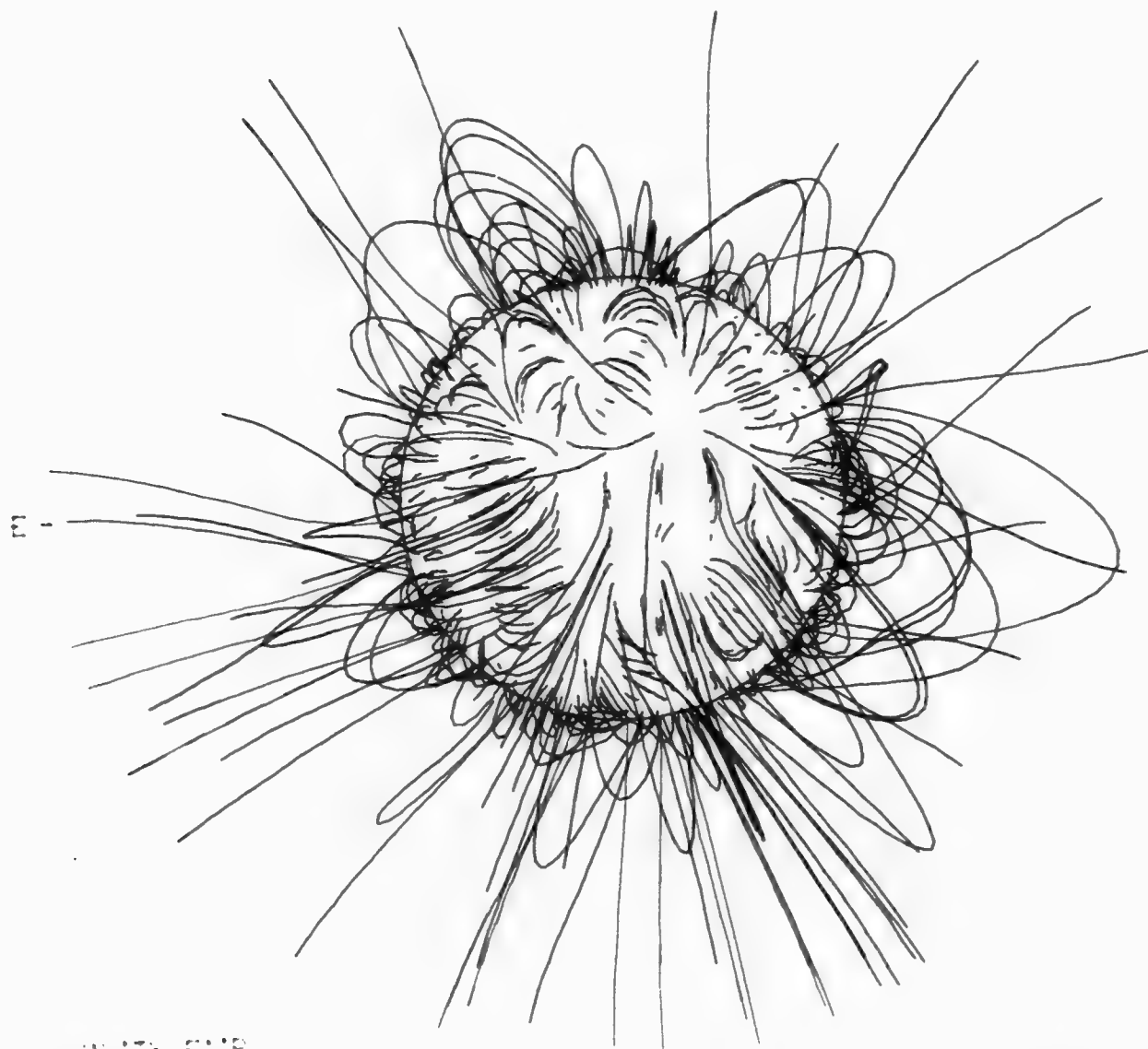


HALE OBSERVATORY
 HAILE OBSERVATORY
 HAILE OBSERVATORY

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HAILE OBSERVATORY
 HAILE OBSERVATORY
 HAILE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

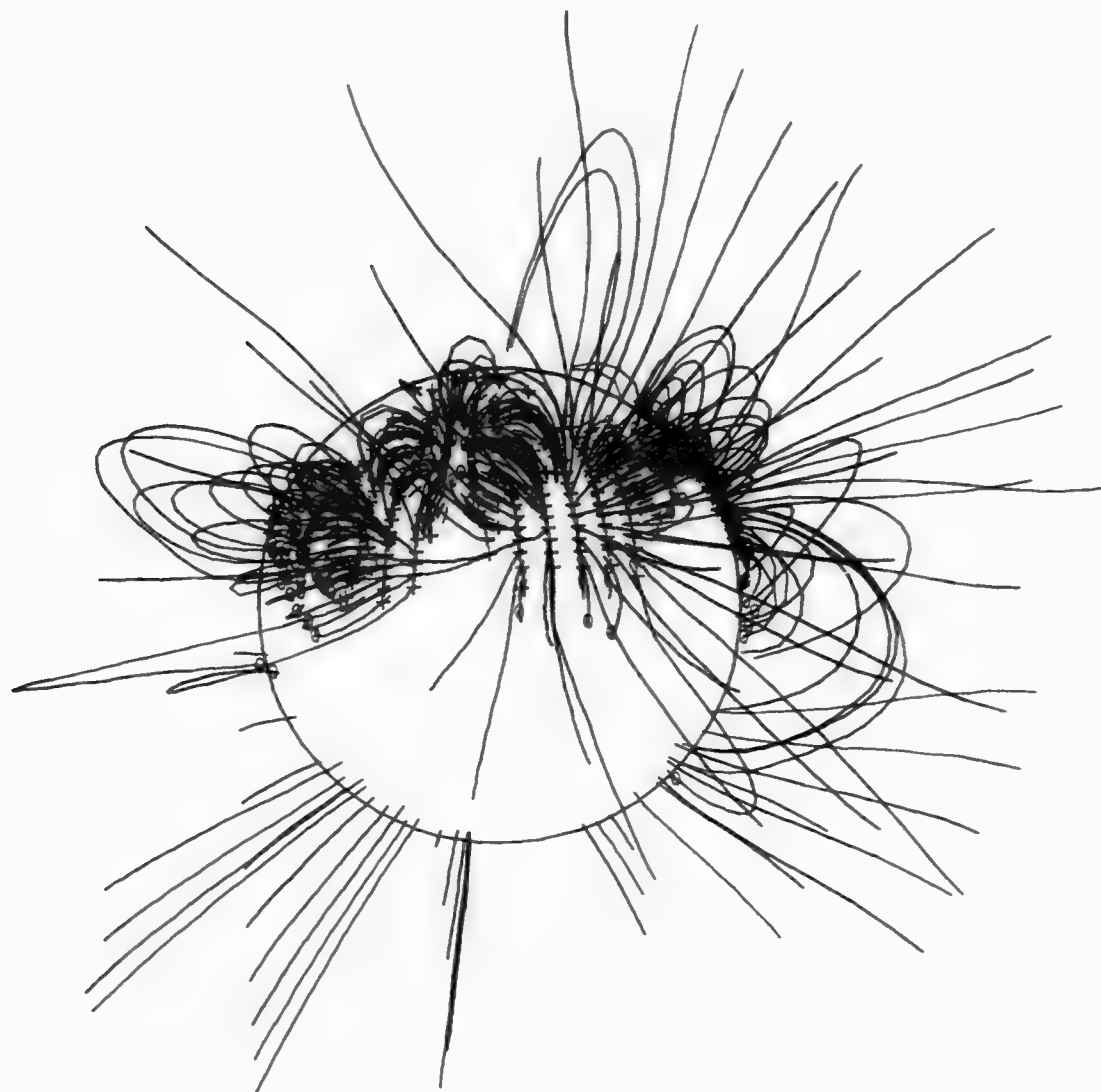


QUALITY FAIR
 FLEET DIRECT
 DATA AND LA 1522.00

2.7.52 2.7.52
 2.7.52 2.7.52

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -



- W

QUALITY FAIR

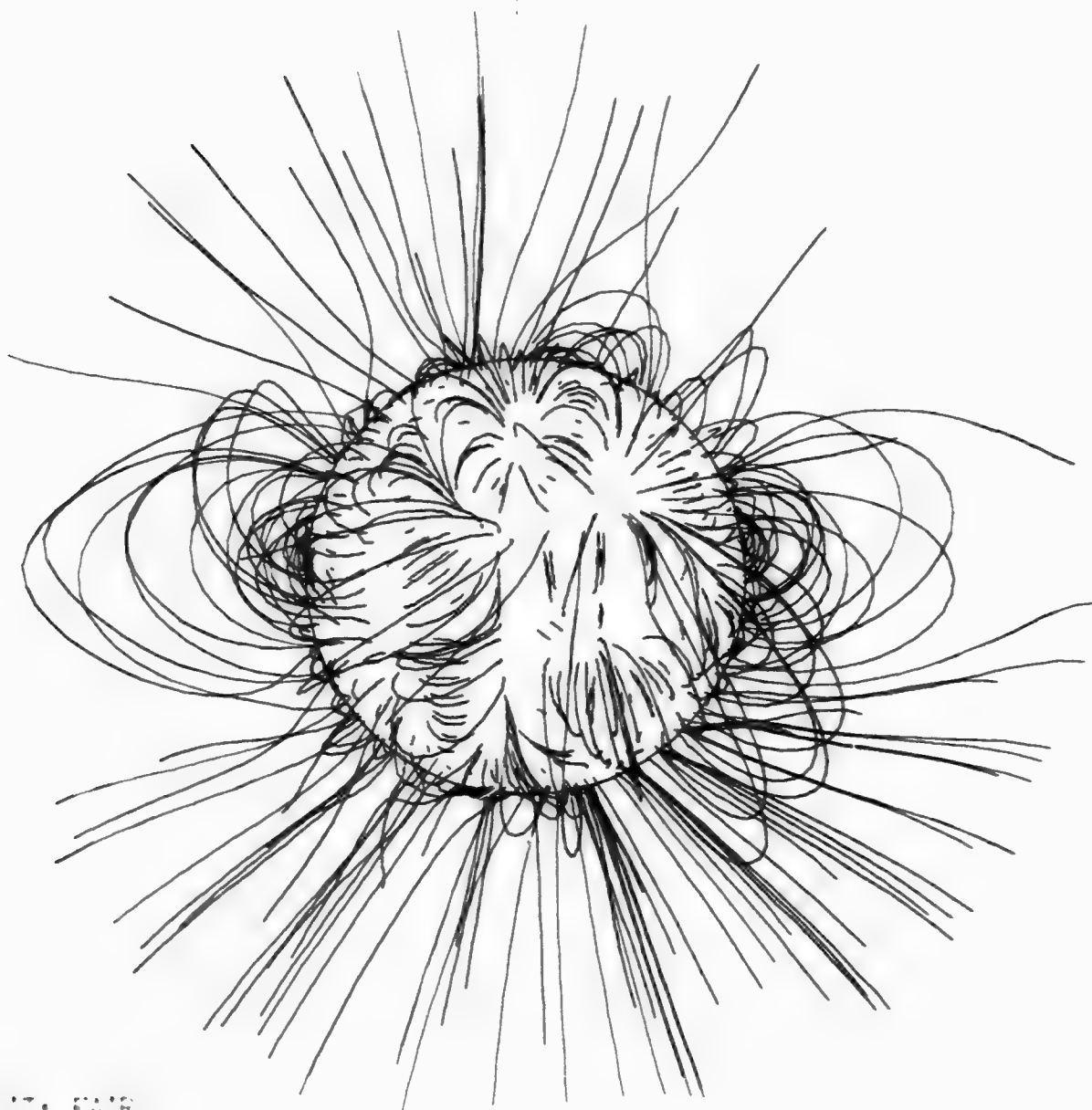
POLES DIRECT

DATA WIND 1522.00

S

RUT. 1522 1522.00
2.1 1522.00

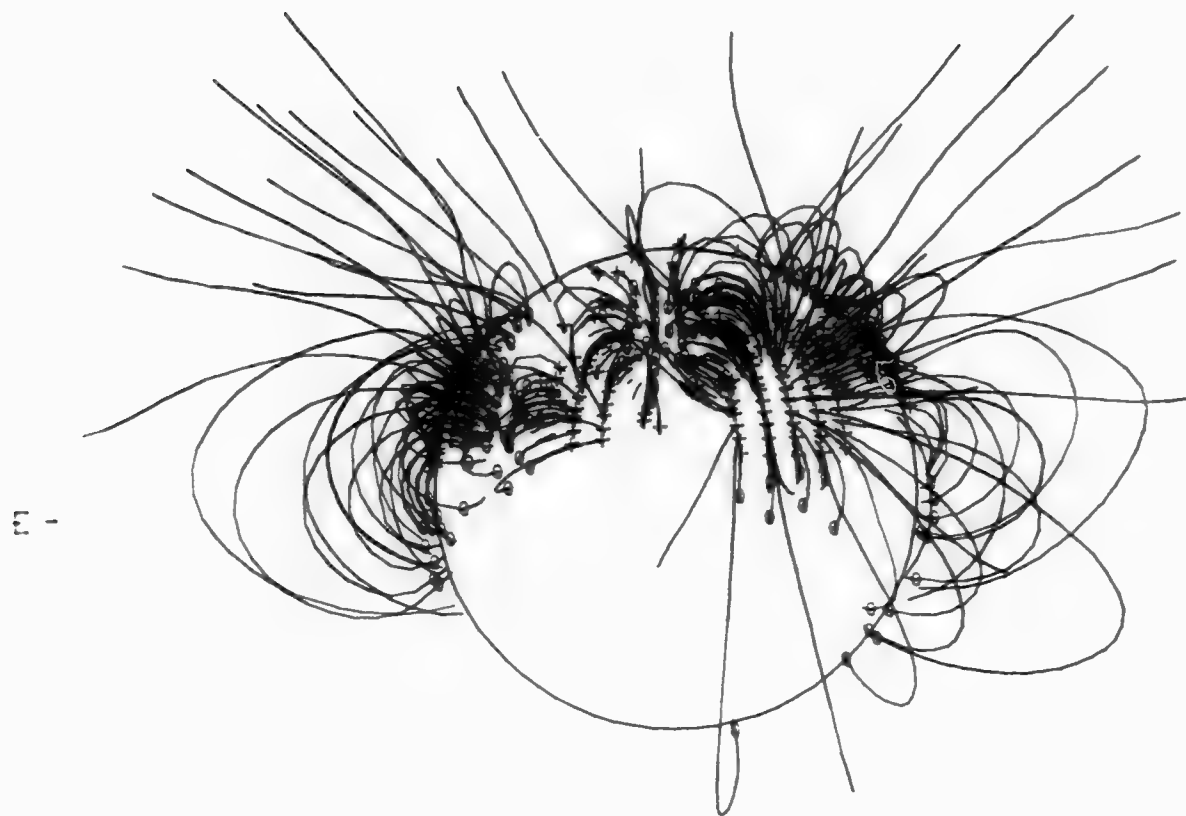
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, PAIR
 PALE, DIRECT
 DATA WITH LA 1522.47

RJT, 1522 1010. 40°
 3.6 11 1257

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

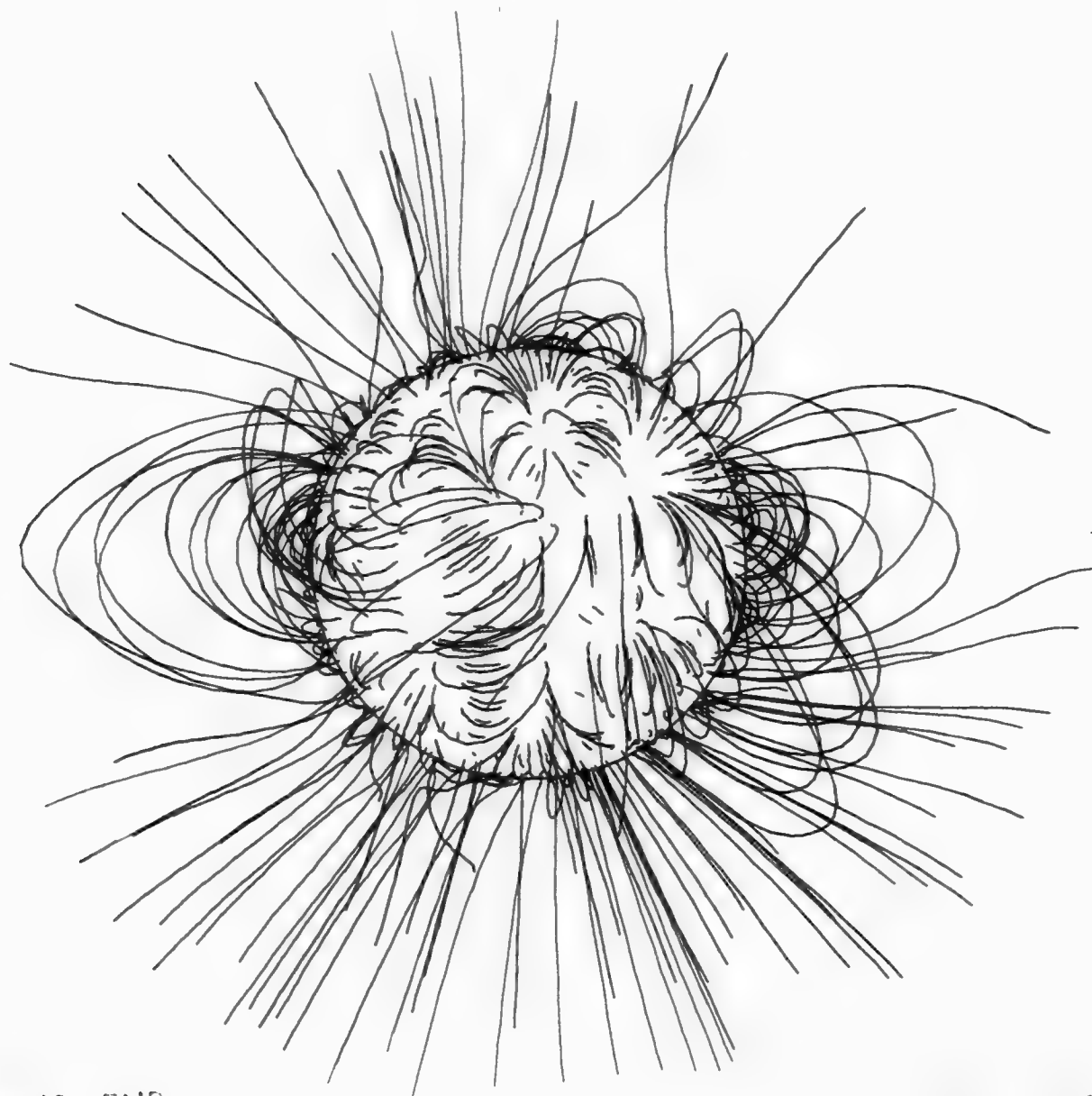


HALE, PAIR
 PAIR, PAIR
 DATA, PAIR

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8.7, 15.1, 1.1, 1.1
 2.8, 1.1, 1.1

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

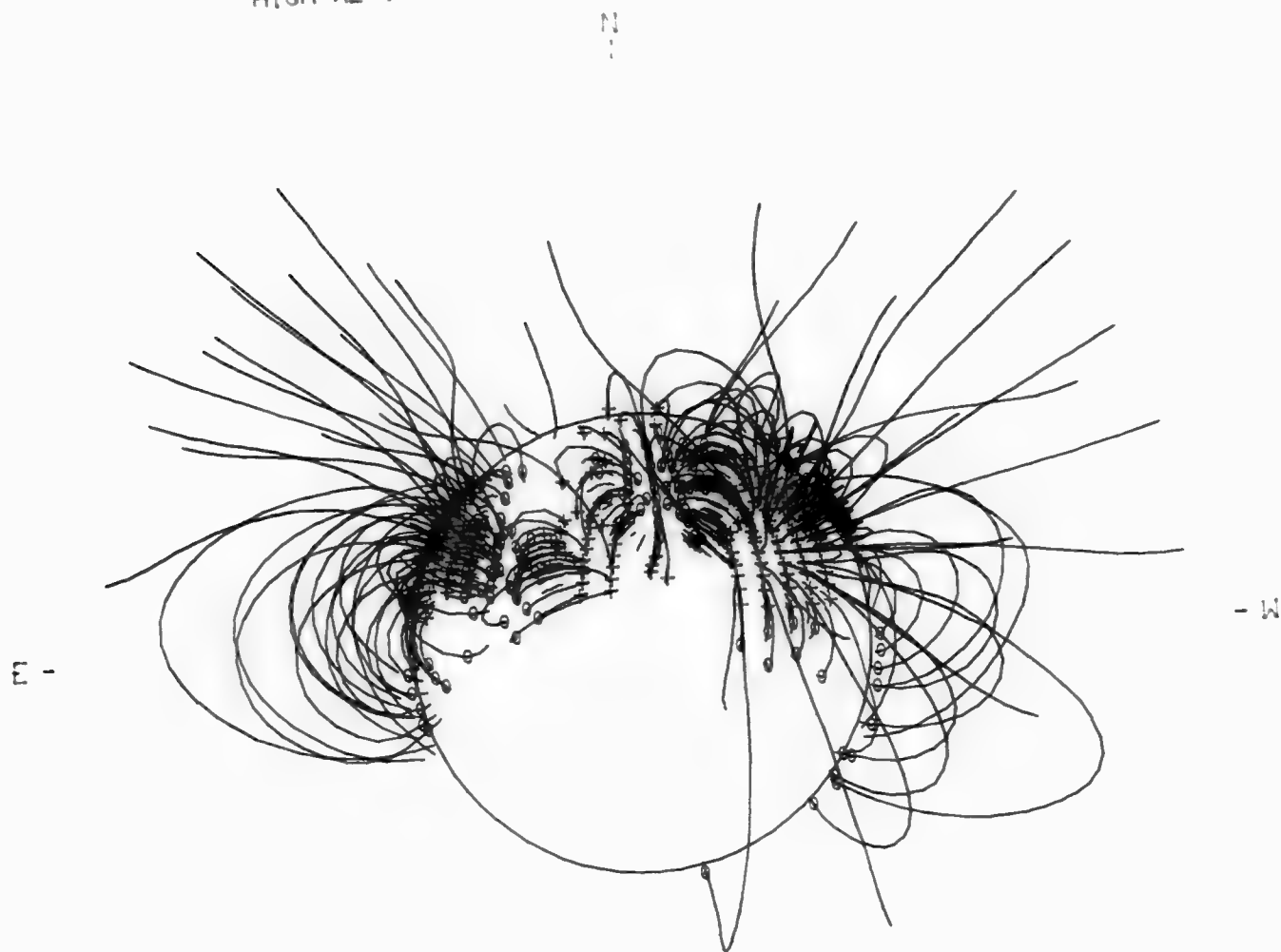


QUALITY FAIR
FILES DIRECT
DATA AND/OR 1502.47

S

ROT. 1522 LONG. 71°
3.5 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

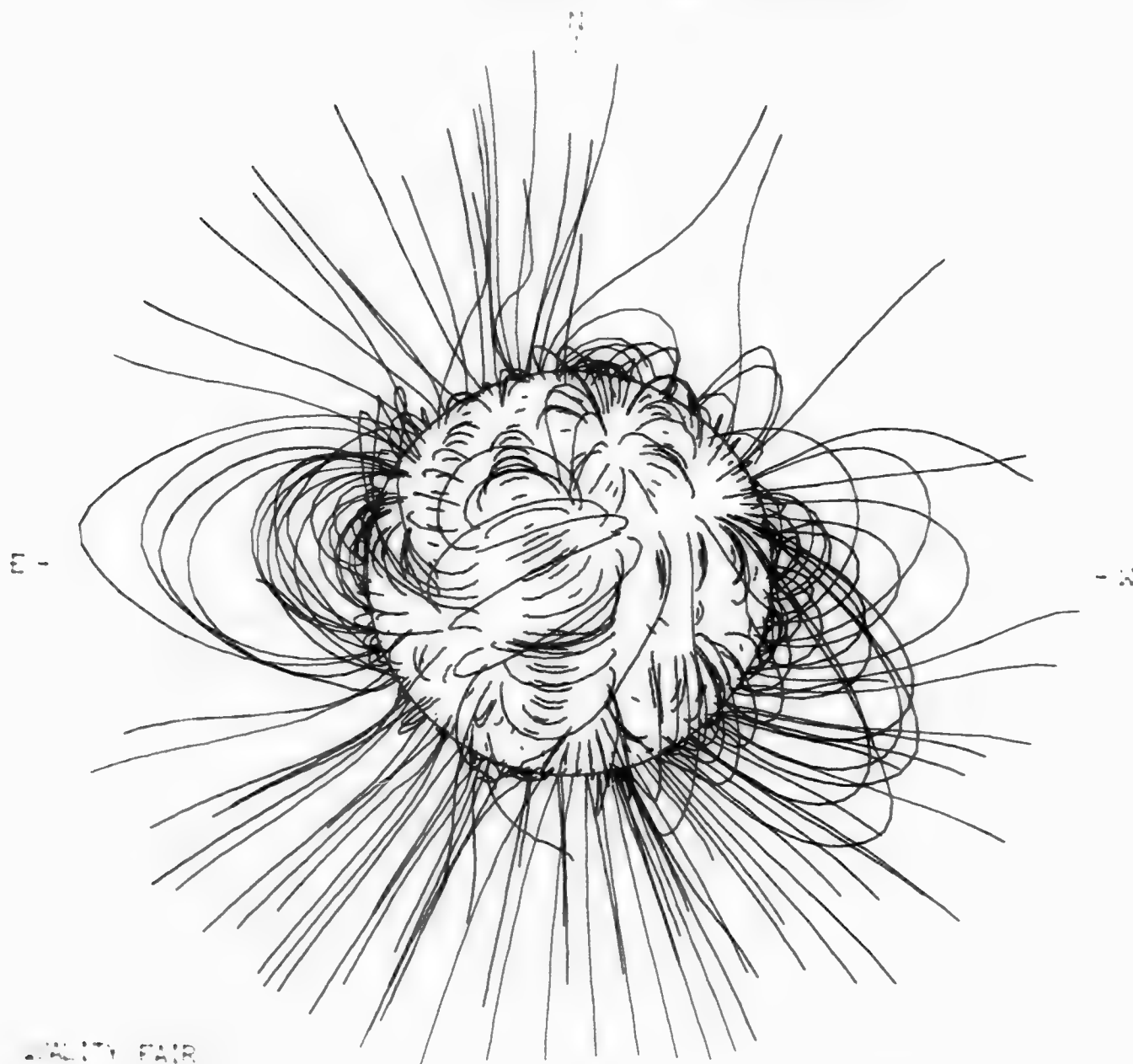


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1522.47

S

ROT. 1522 LONG. 70°
 3.5 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

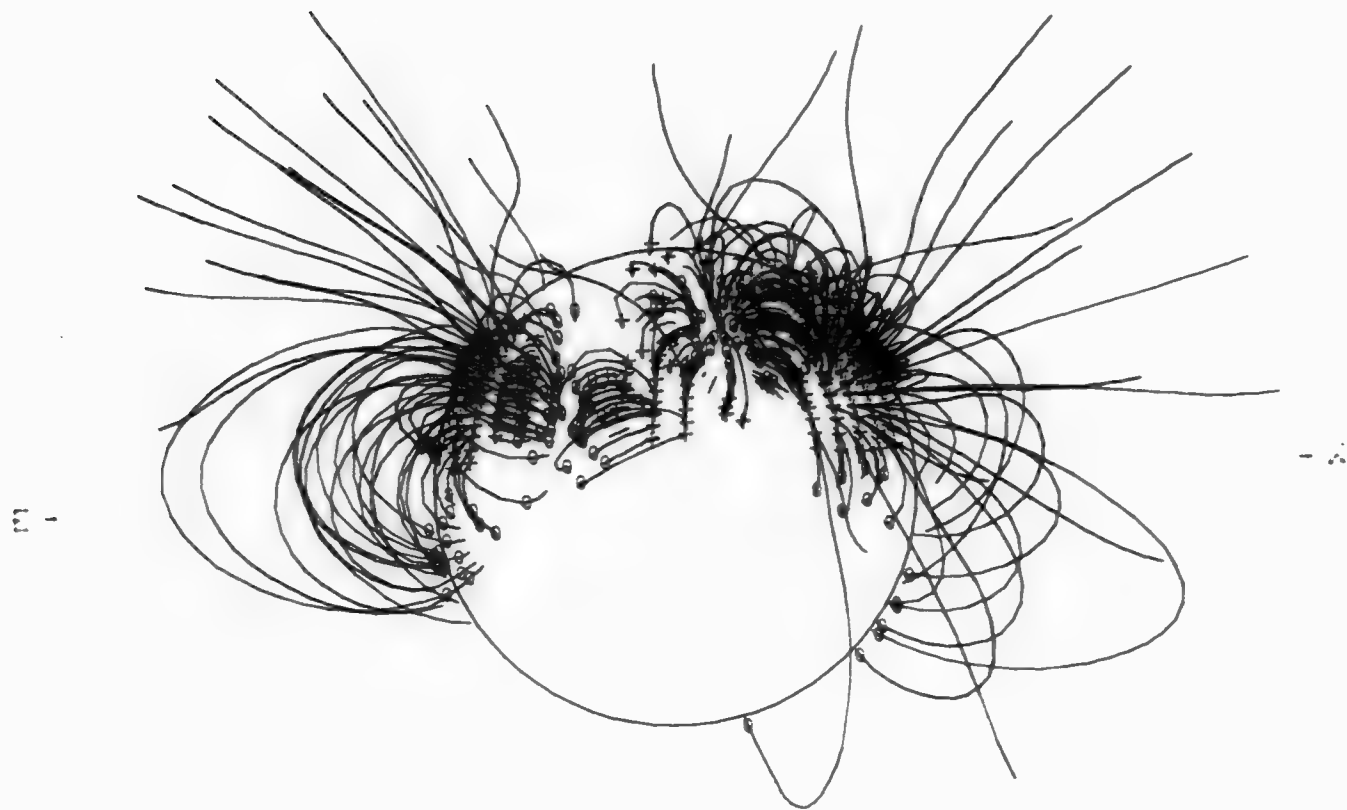
DATA APPROX 1522.7

S

ROT. 1522 1013. 51°

4.3 JUL 1967

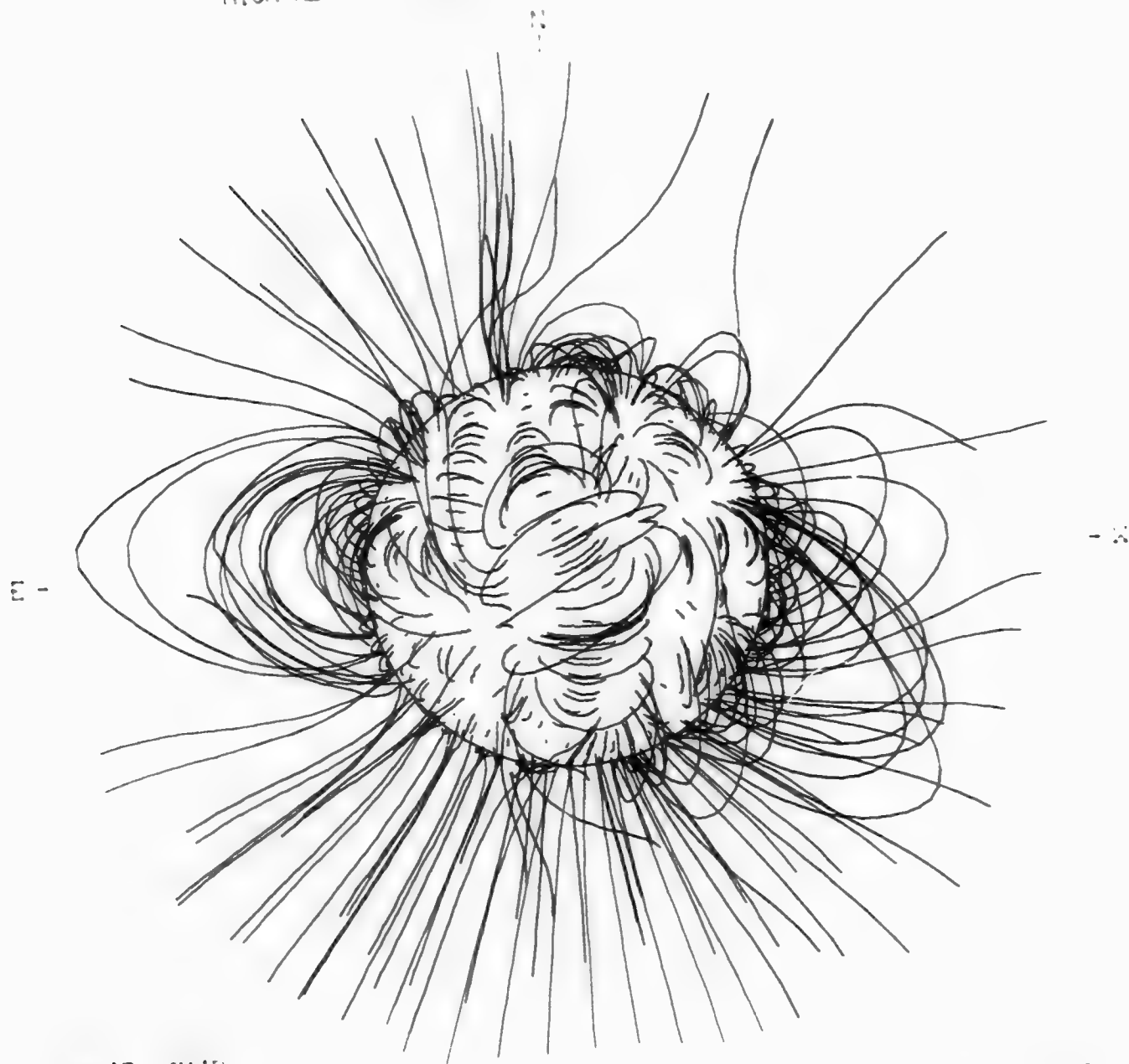
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



. 100% FAIR
 . 100% DIRECT
 . 100% AND IN 1951.57

100% 1951 100% 1951
 100% 1951 100% 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

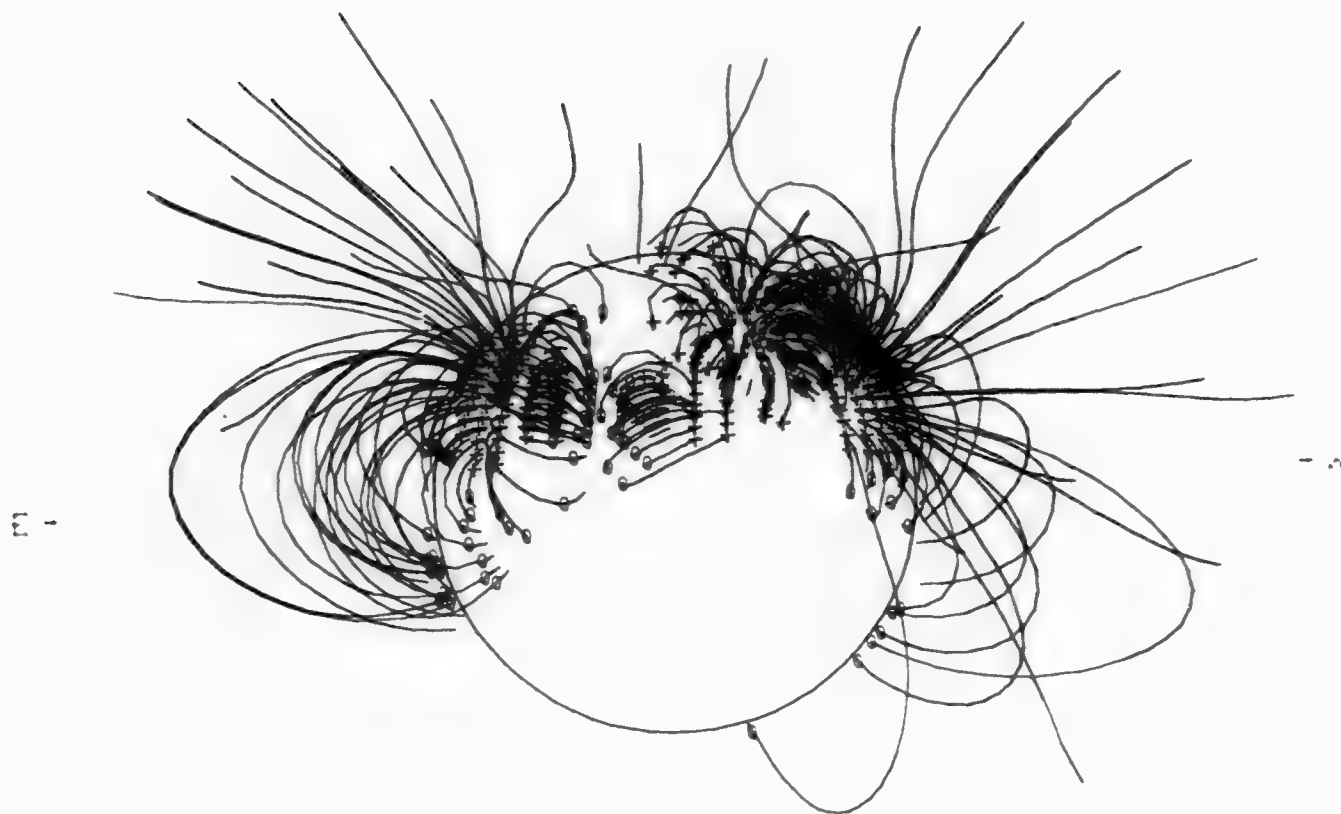


QUALITY FAIR
POLES DIRECT
DATA AND/OR INSTRUMENT

S

ROT. 1522 LONG. 50°
5.0 11 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

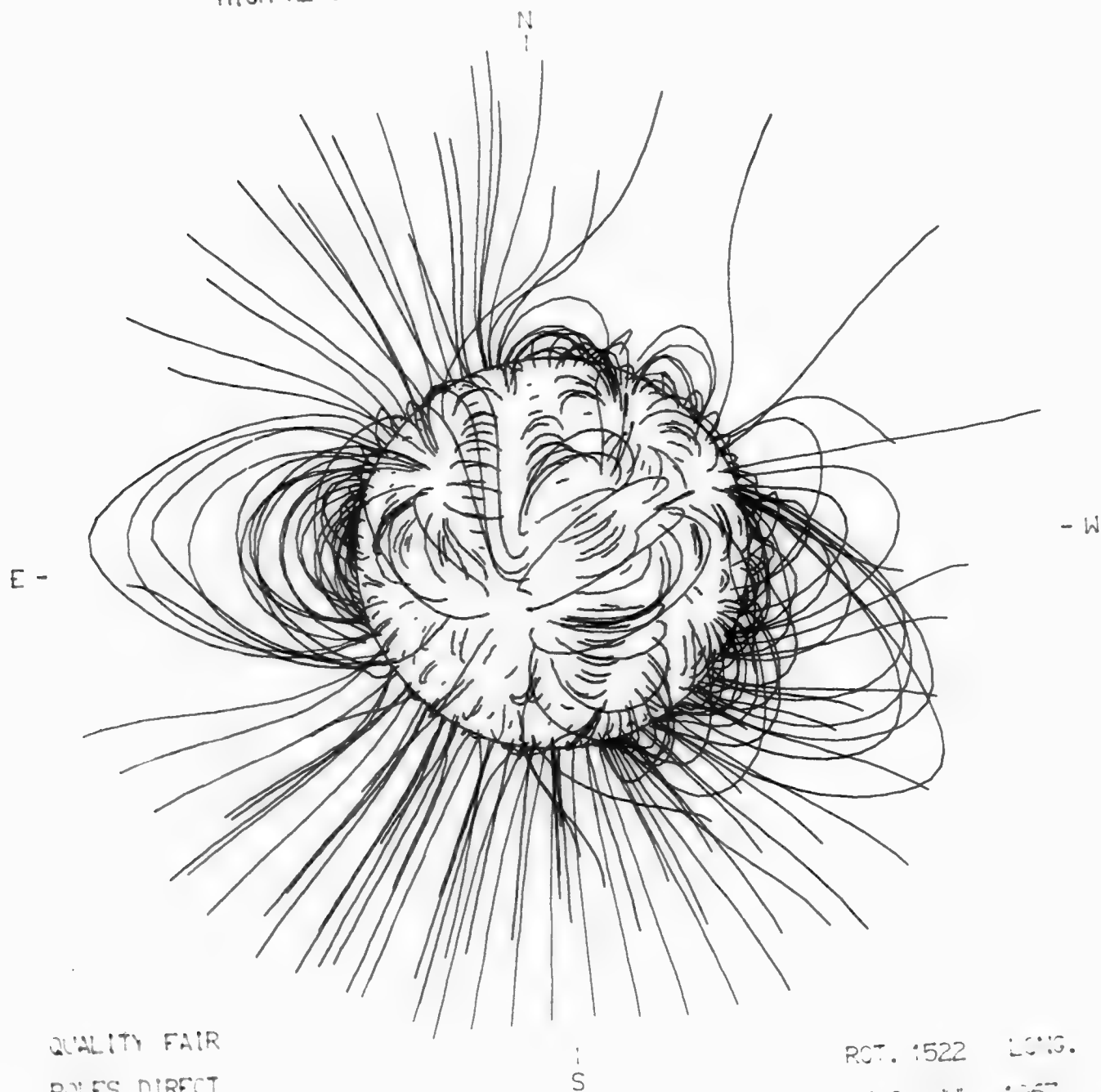
FILED DIRECT

DATA WINDOW 1522.47

1
3

8.7. '522 0.13. 50°
5.0 11 1967

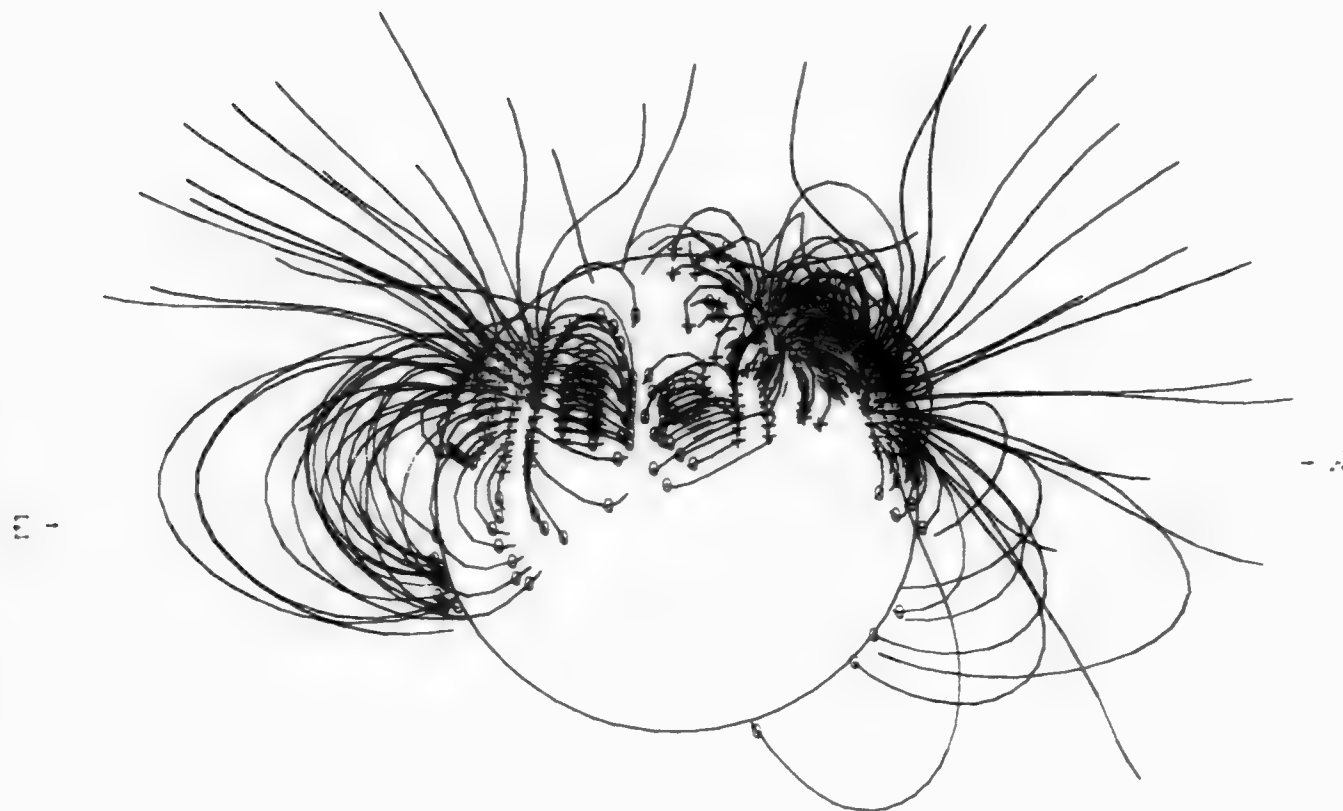
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.47

ROT. 1522 LONG. 40°
5.8 JUL 1957

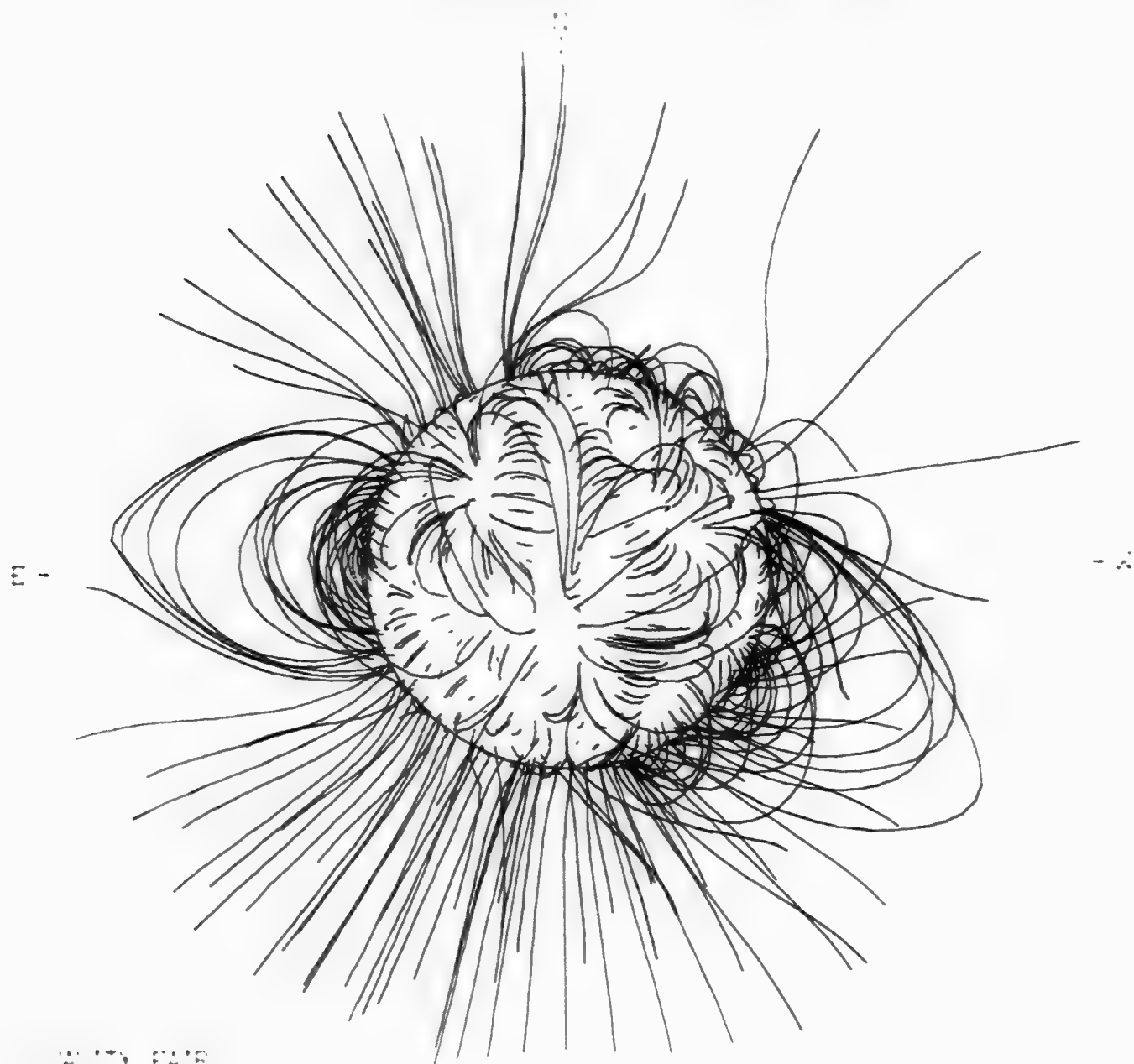
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FACTOR
FIELD CURRENT
DATA ACQUISITION

8.7. 511 11.0. 41°
5.8 11. 1.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

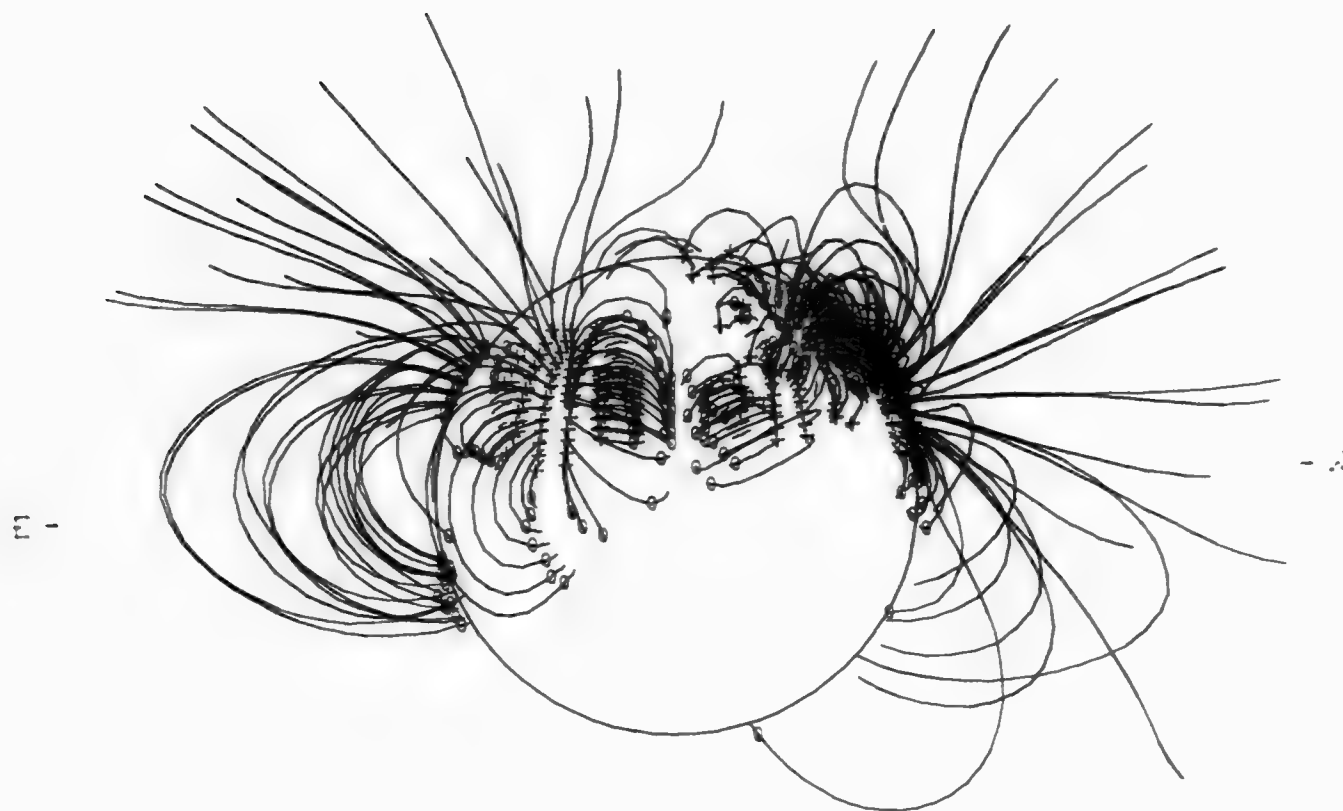
DATA WINDOW 15011.4"

S

ROT. 1522 LING. 30°

6.5 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

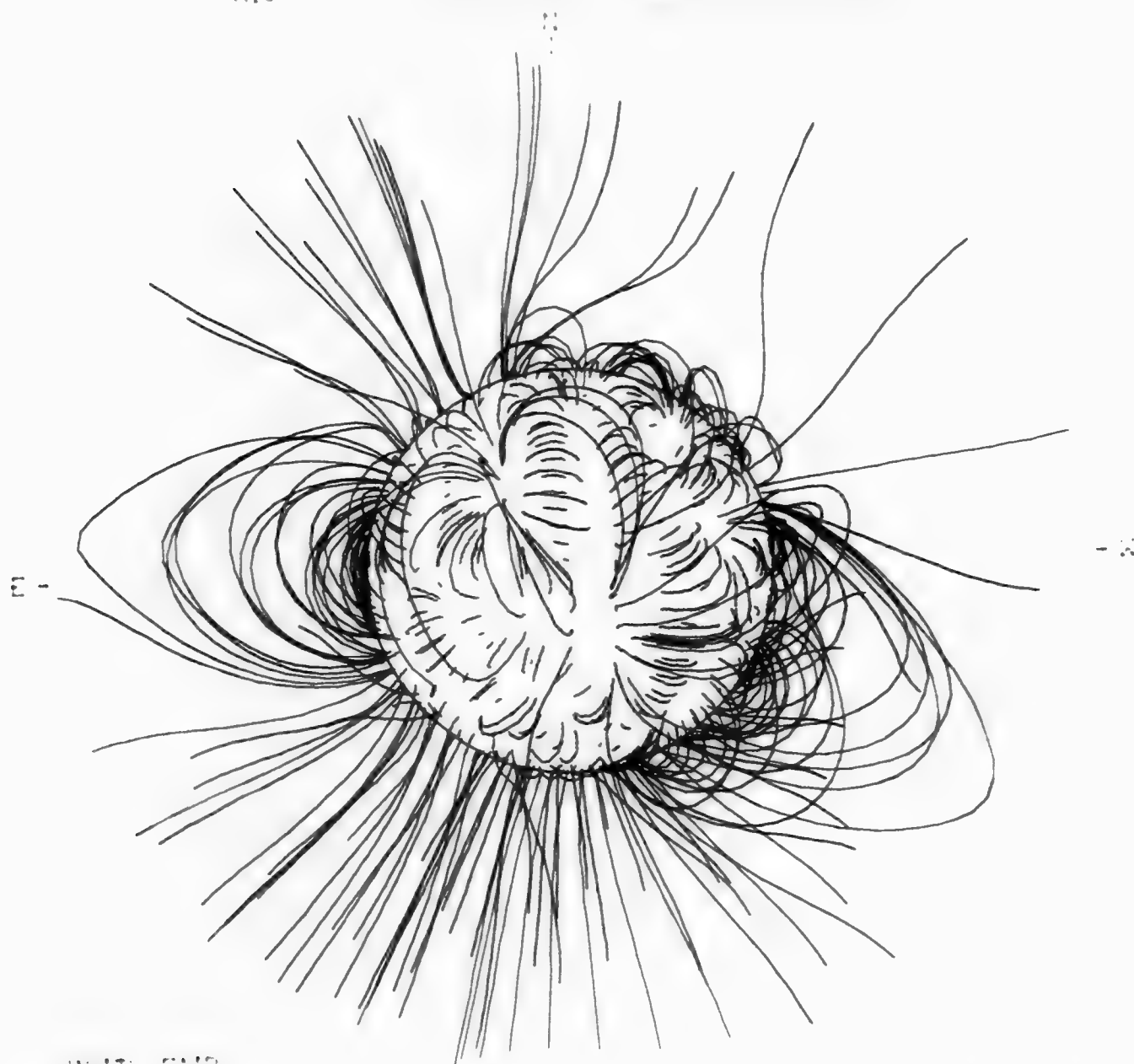


QUALITY FAIR
FILES DIRECT
DATA LINE IN "500.0"

S

8.7. '52 2.1. '53
6.6 '52 '53

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

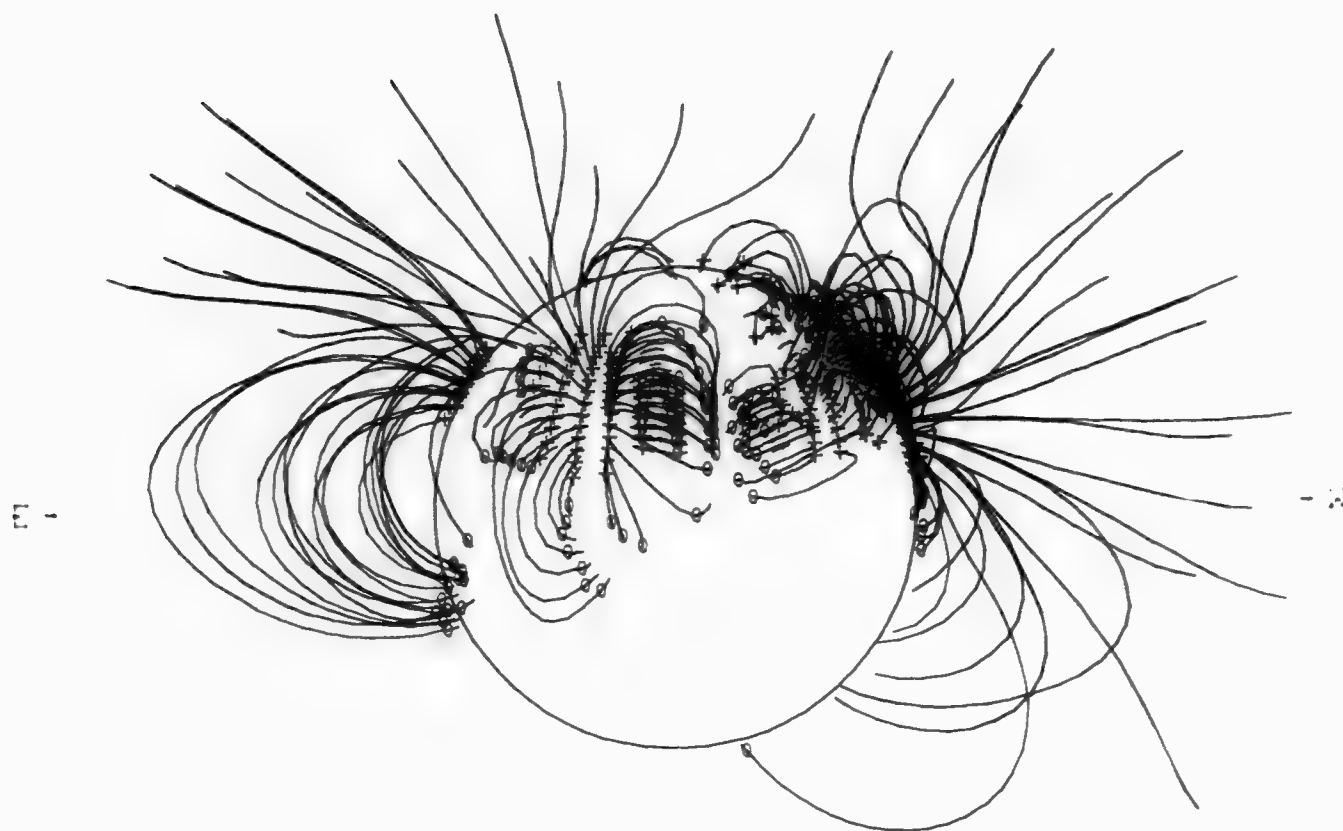


HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA CENTER '522.4'

8.7. '522 1.13. 11'
 1.3 1.1 1.25'

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
1



QUALITY FAIR

FIELD CURRENT

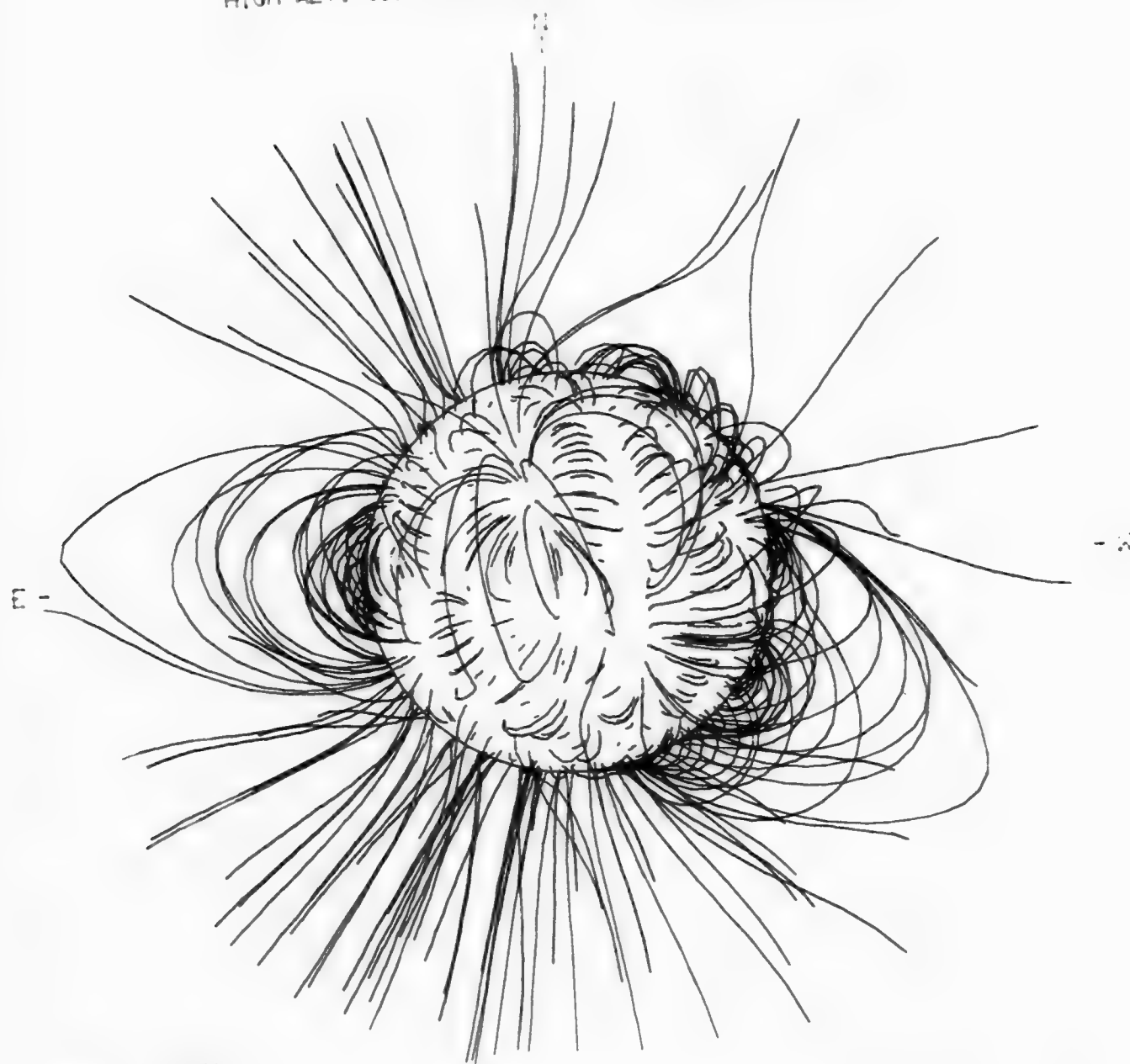
DATA WINDOW 1522.47

1
S

ROT. 1522 LONG. 11°

7.3 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

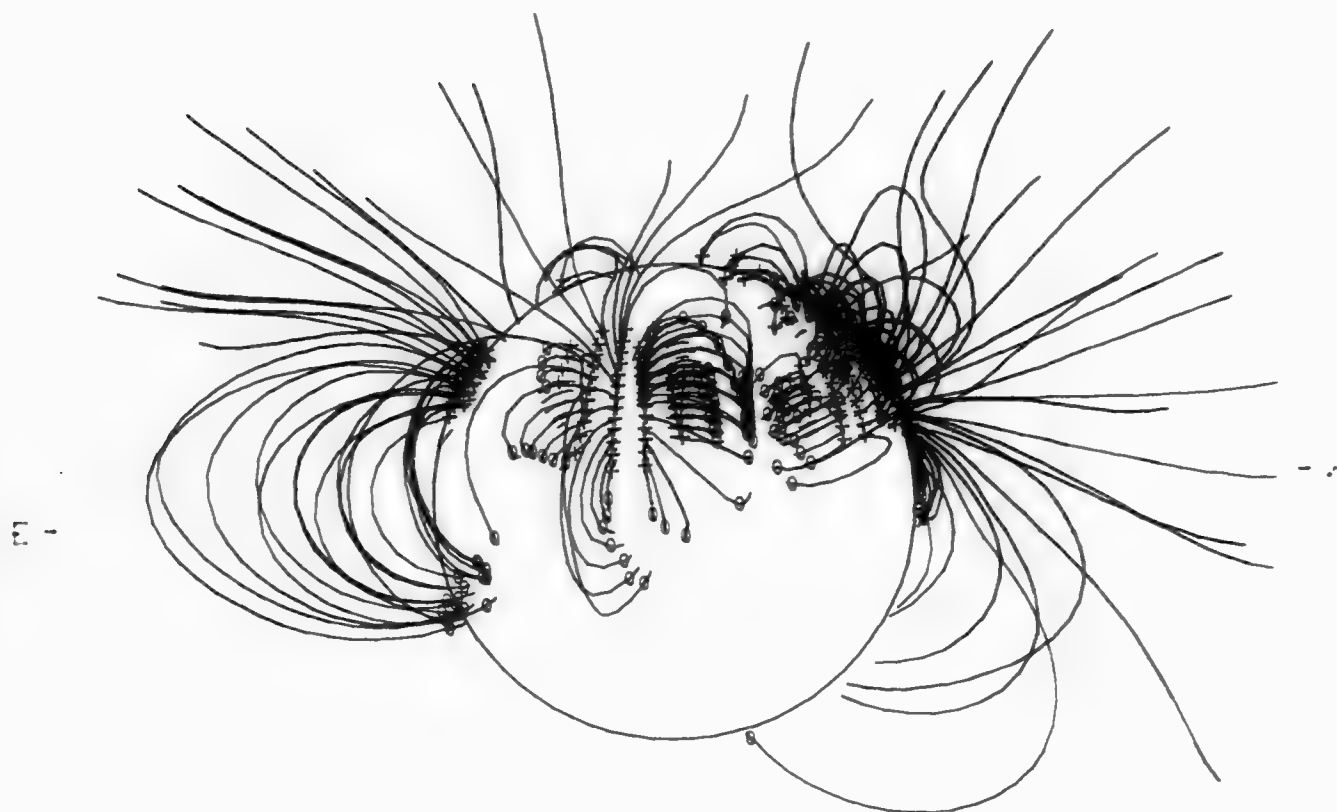


QUALITY FAIR
POLES DIRECT
DATA RANGE 1500.00

S

ROT. 1522 LONG. 11°
8.1 11 1957

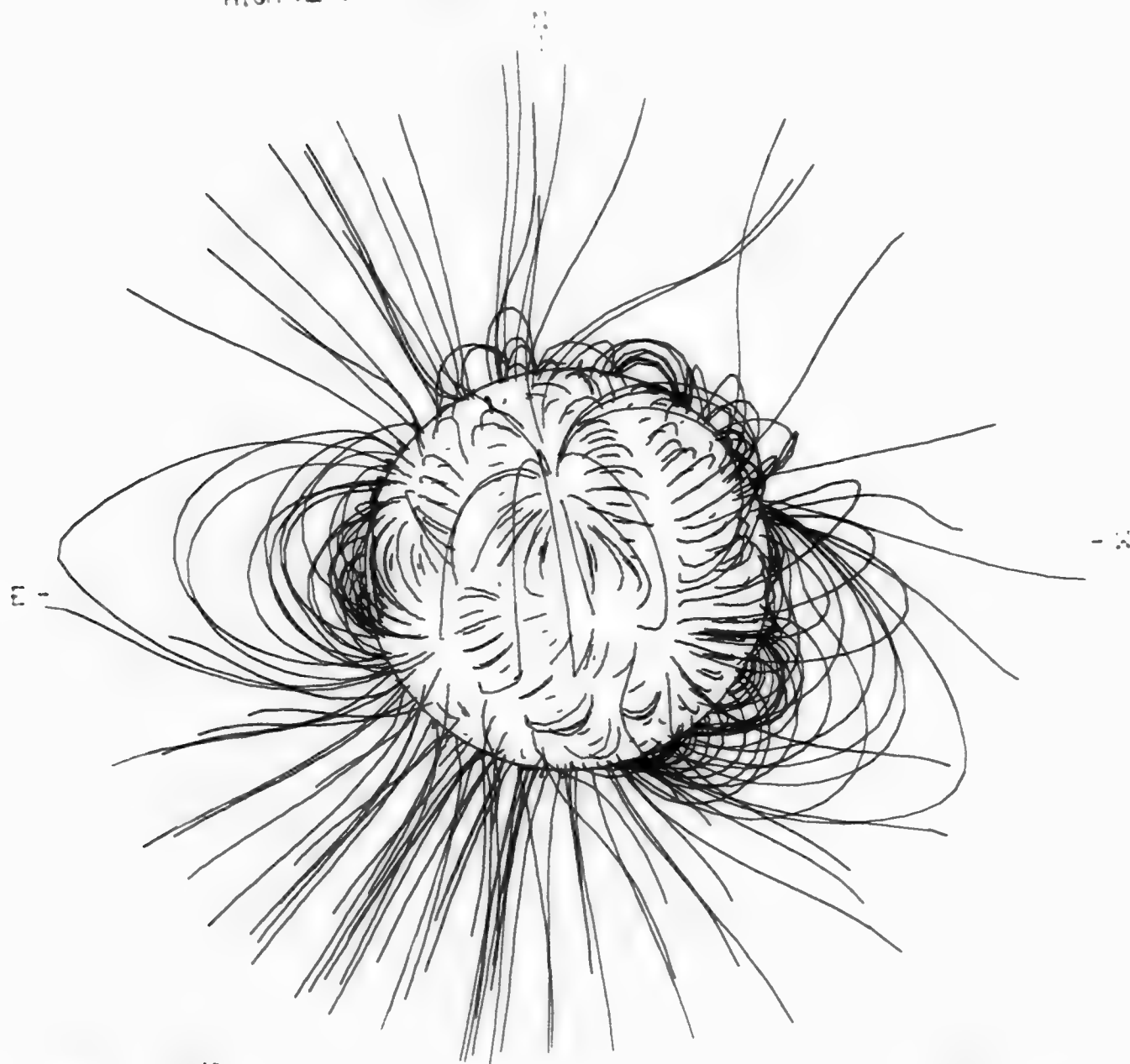
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 DATA DIRECT
 DATA DATE IN 1522.47

8.7. '522 1.11. '52
 8.1. '52 1.11. '52

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

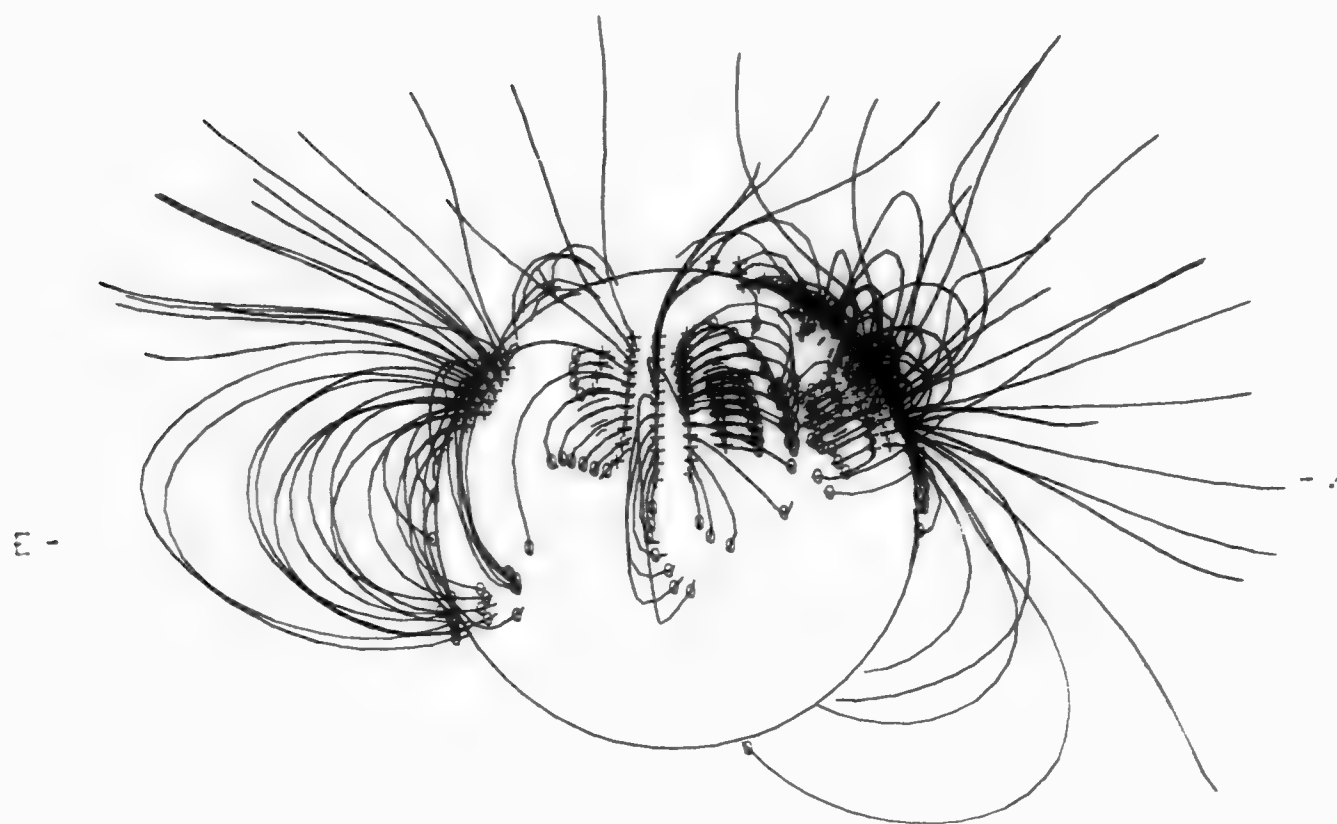


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1522.47

S

8.7.1522 1522.47
8.8 1522.47

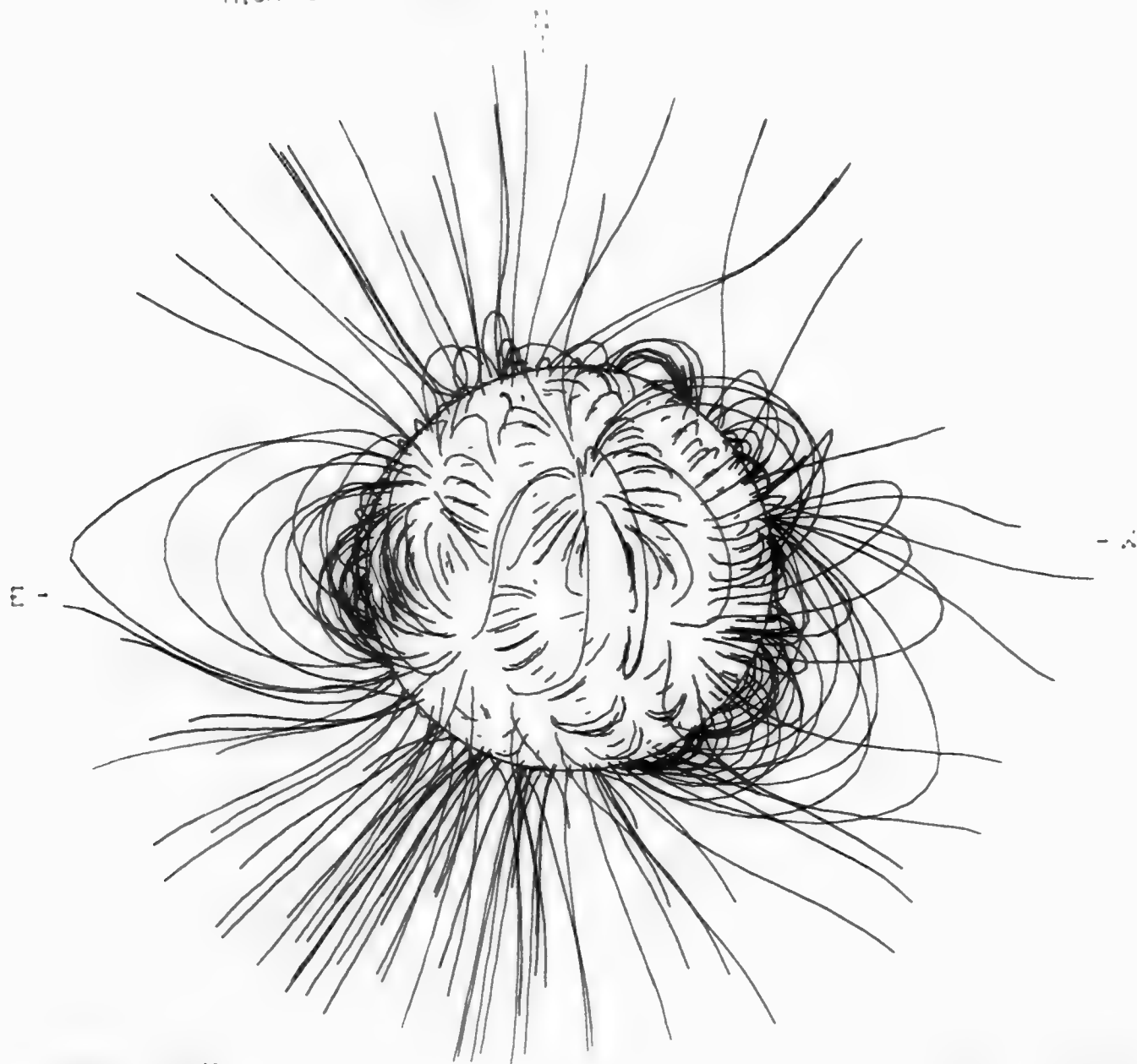
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FILED DIRECT
 DATA AND/OR "RECORD"

EST. FILED JUL 8
 8.8 JUL 1967

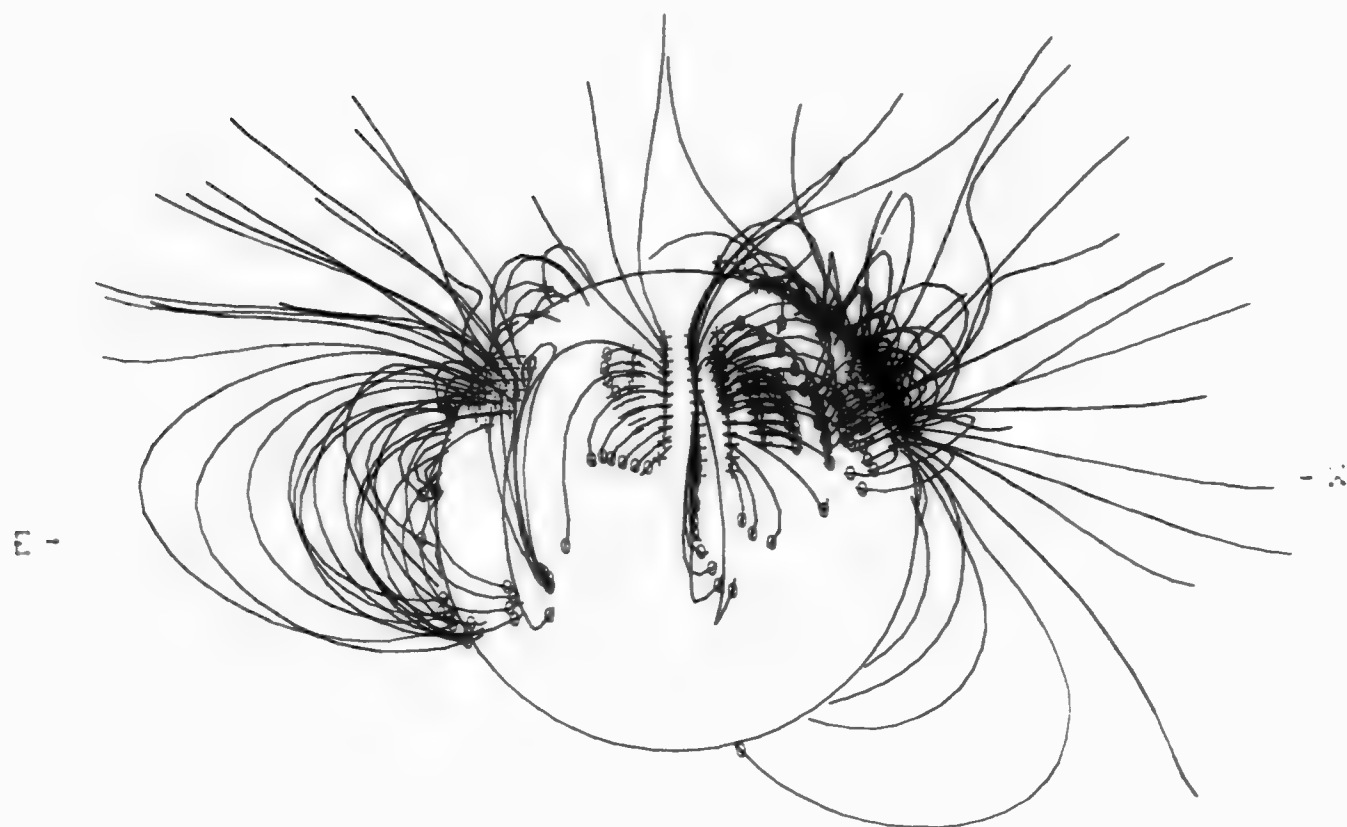
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FILES DIRECT
 DATA WIND ON 1500.00

OUT. FILE 1000.00
 1000.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

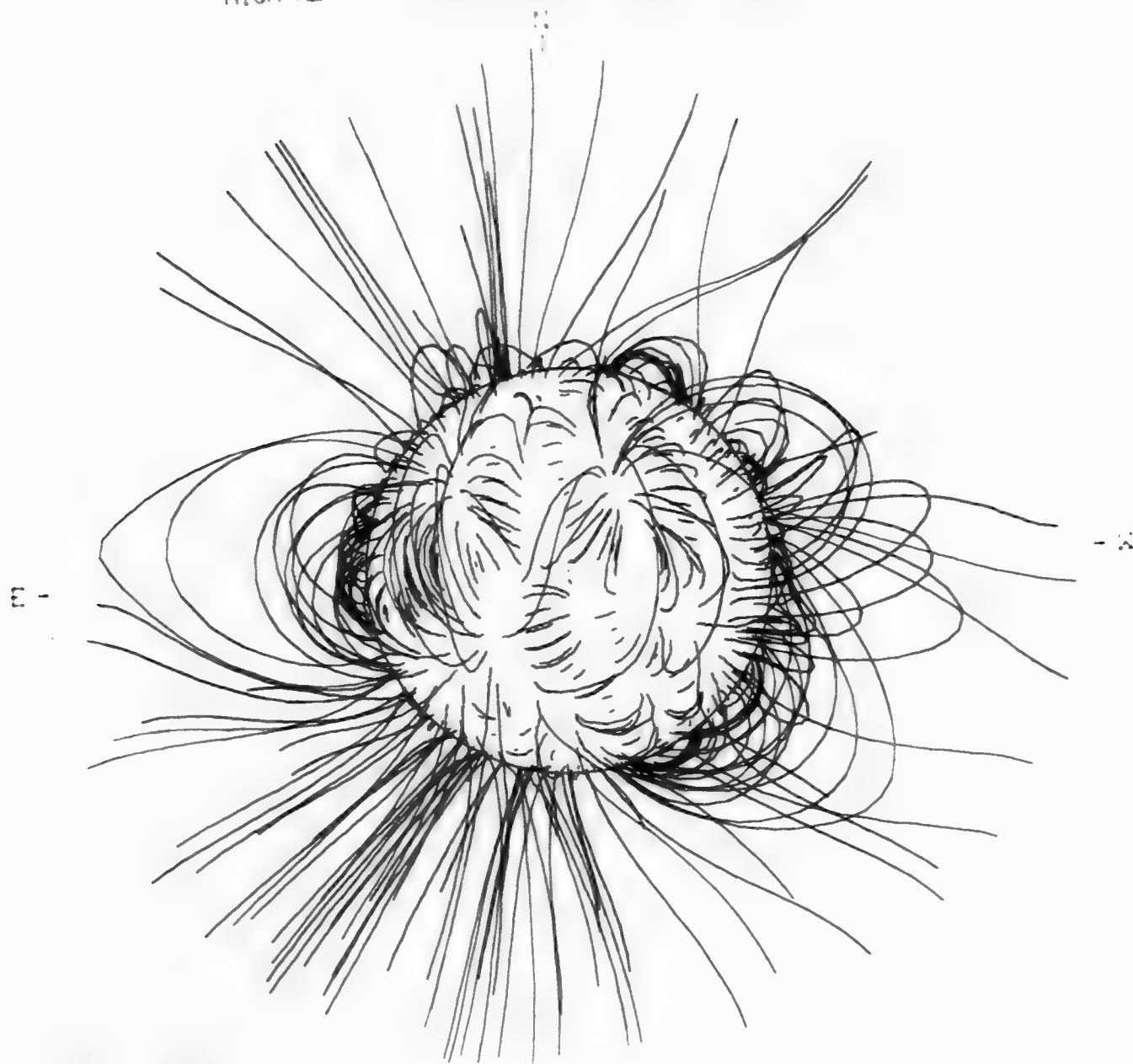


QUALITY FAIR
POLES DIRECT
DATA AND/OR ANALYSIS

1
S

RCT. 1523 1110. 351°
R.A. 101 1247

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

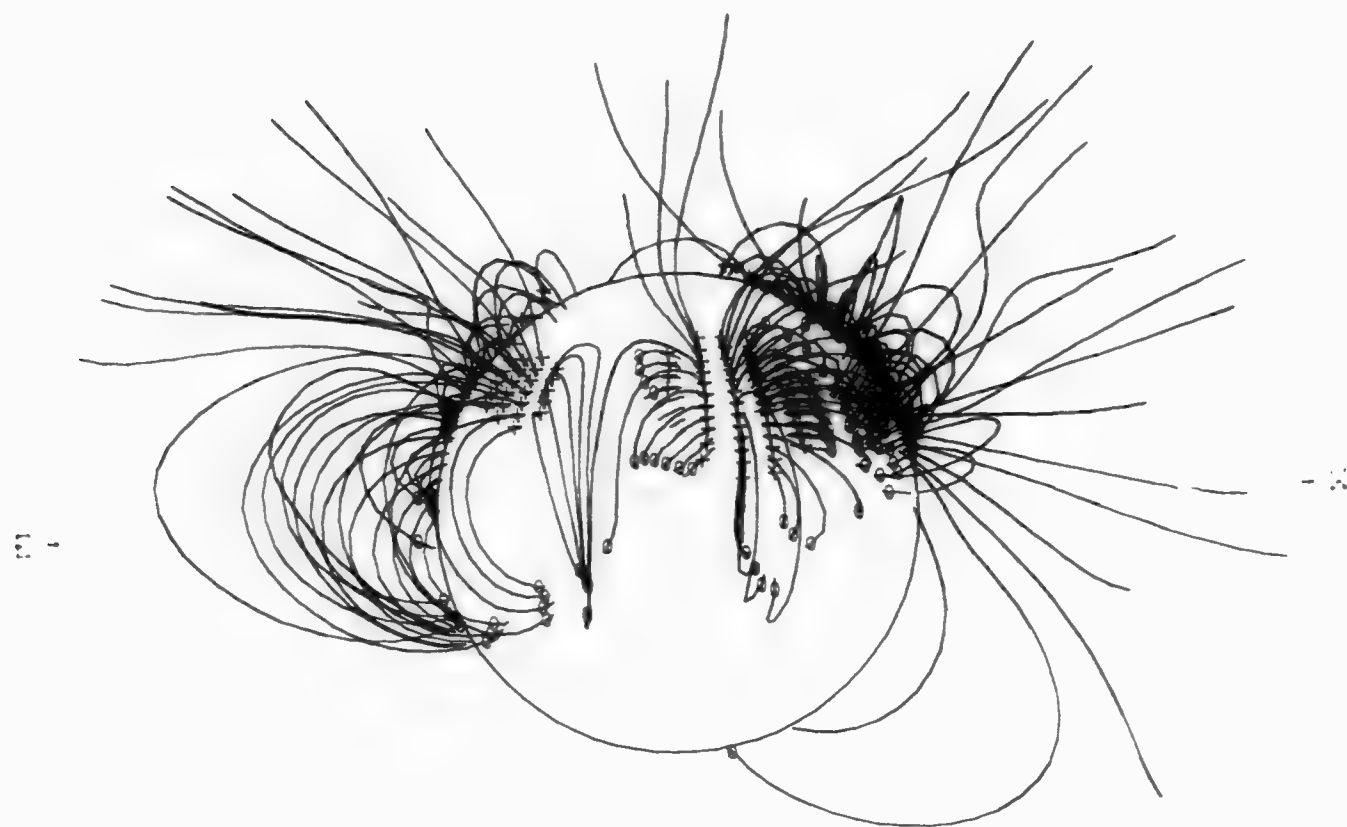


HALE OBSERVATORY
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 DATA AND/OR OBSERVATION

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ROT. 1523 210. 341°
 10.3 11 1.20

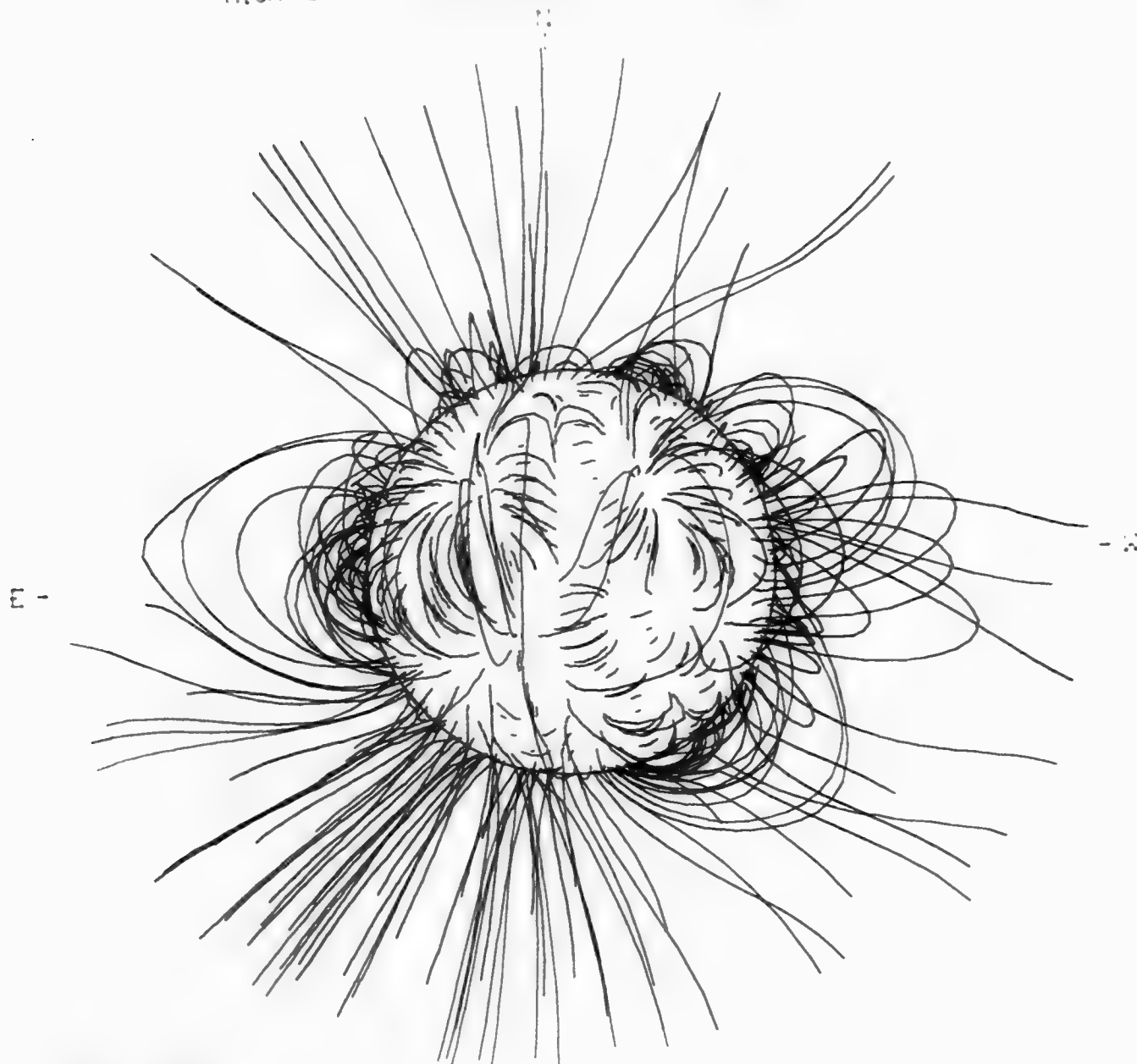
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



W. 179 FAIR
 1000 DIRECT
 DATA 1000.47

2.7. 1523 110. 341°
 10.3 11 1457

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
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ROT. 1523 LONG. 350°
 11.1 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

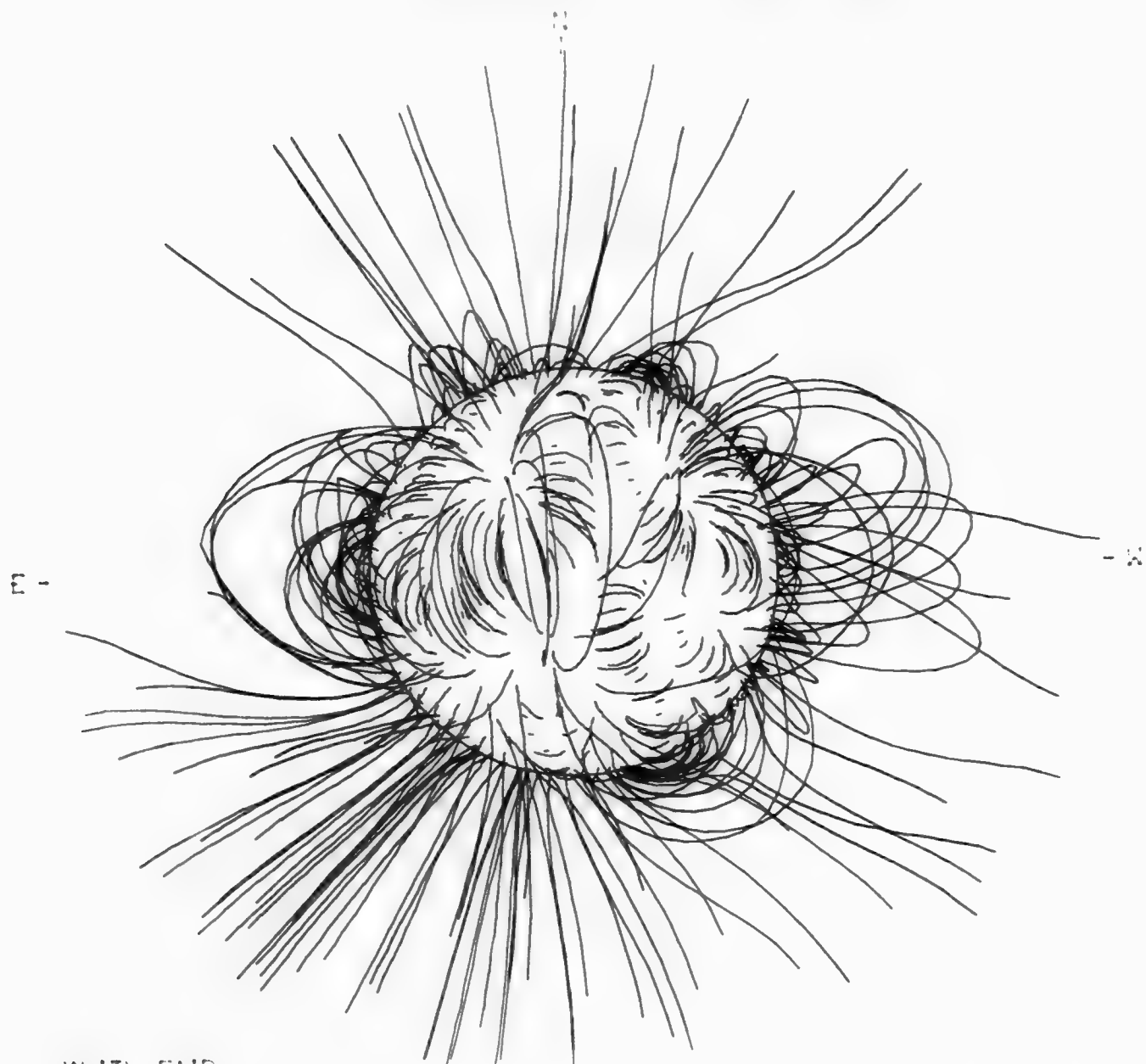


QUALITY FAIR
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DATA NUMBER 1522.47

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ROT. 1523 LONG. 330°
11.1 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDS 1522.47

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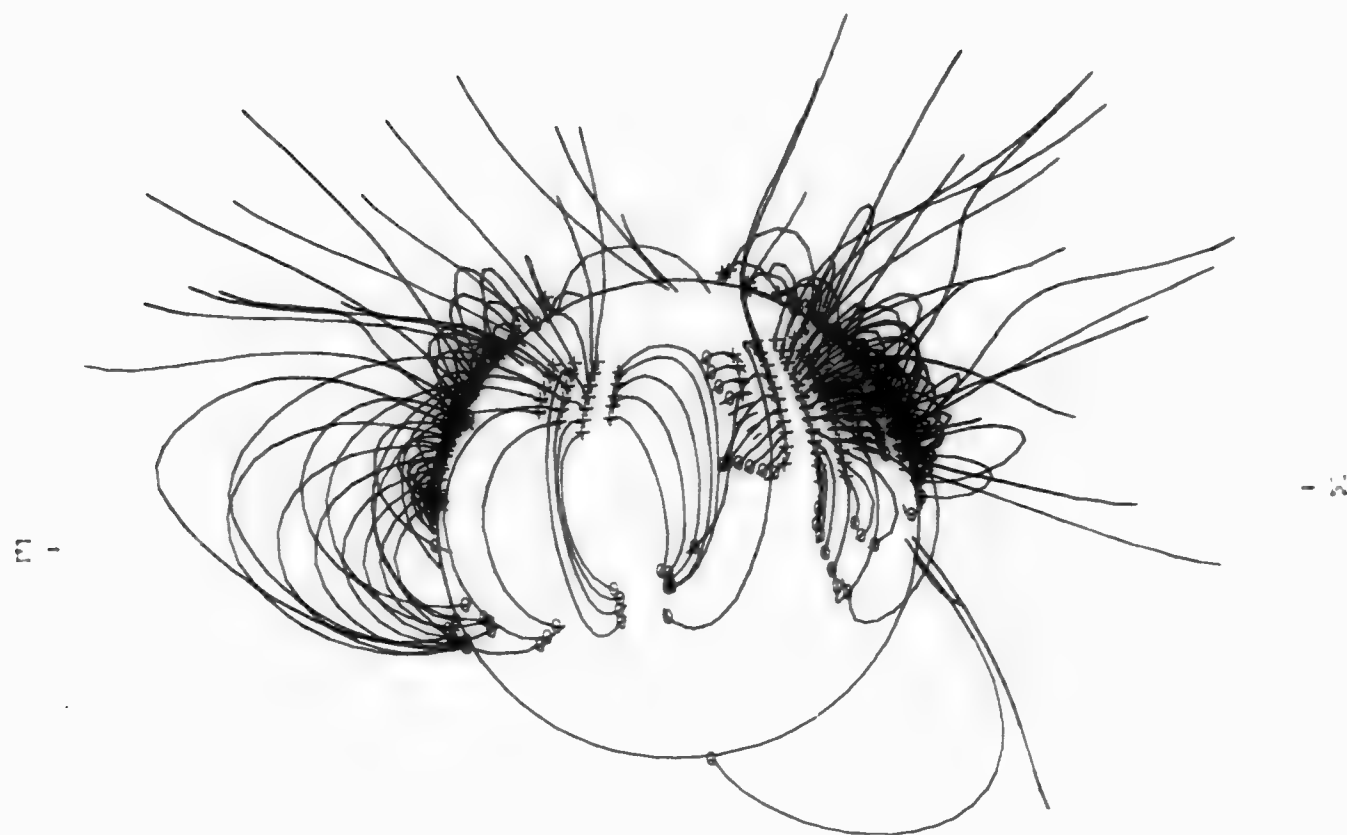
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LONG. 321°

11.3 012

1.457

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

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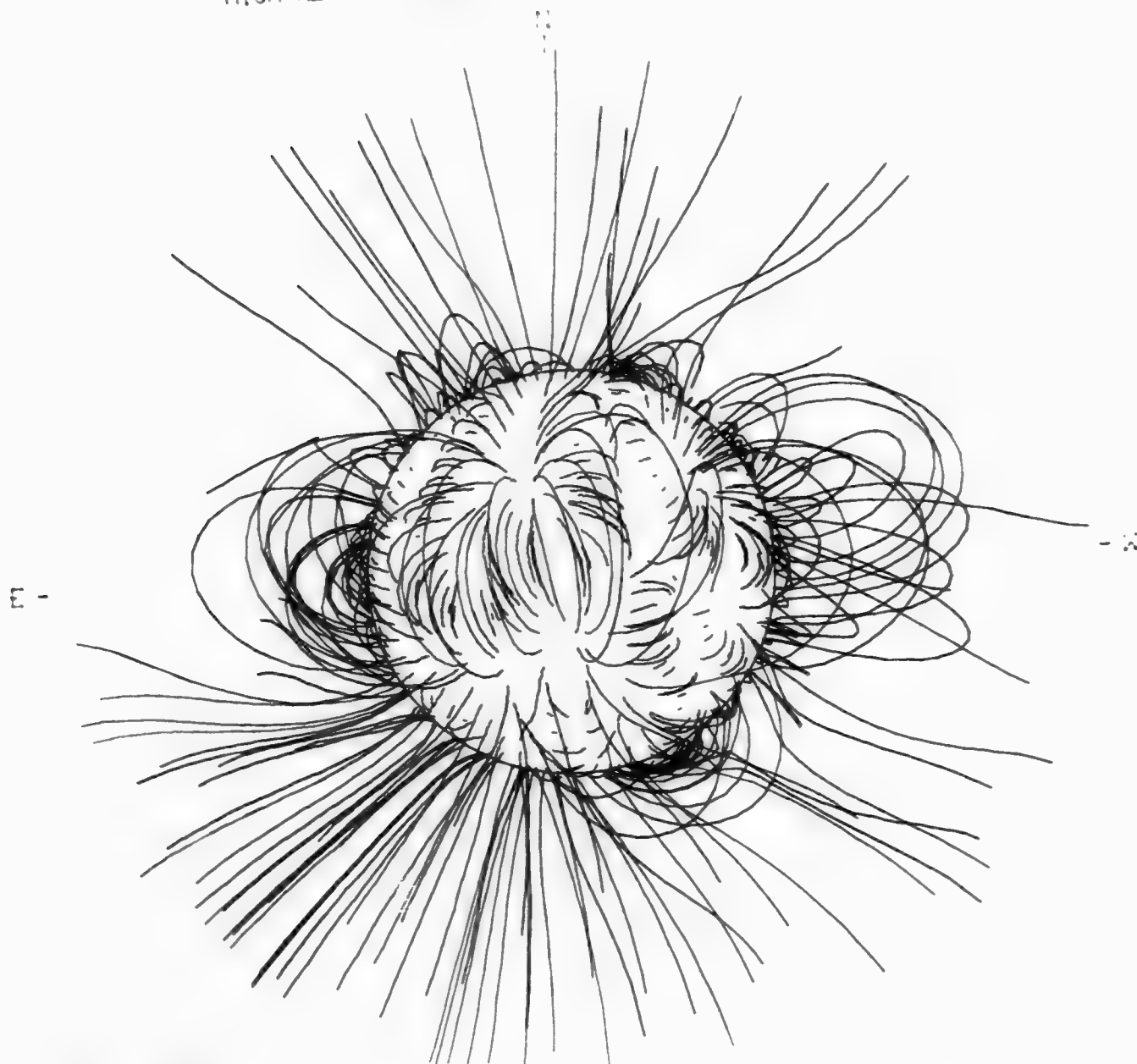
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ROT. 1523 LING. 301°

1967

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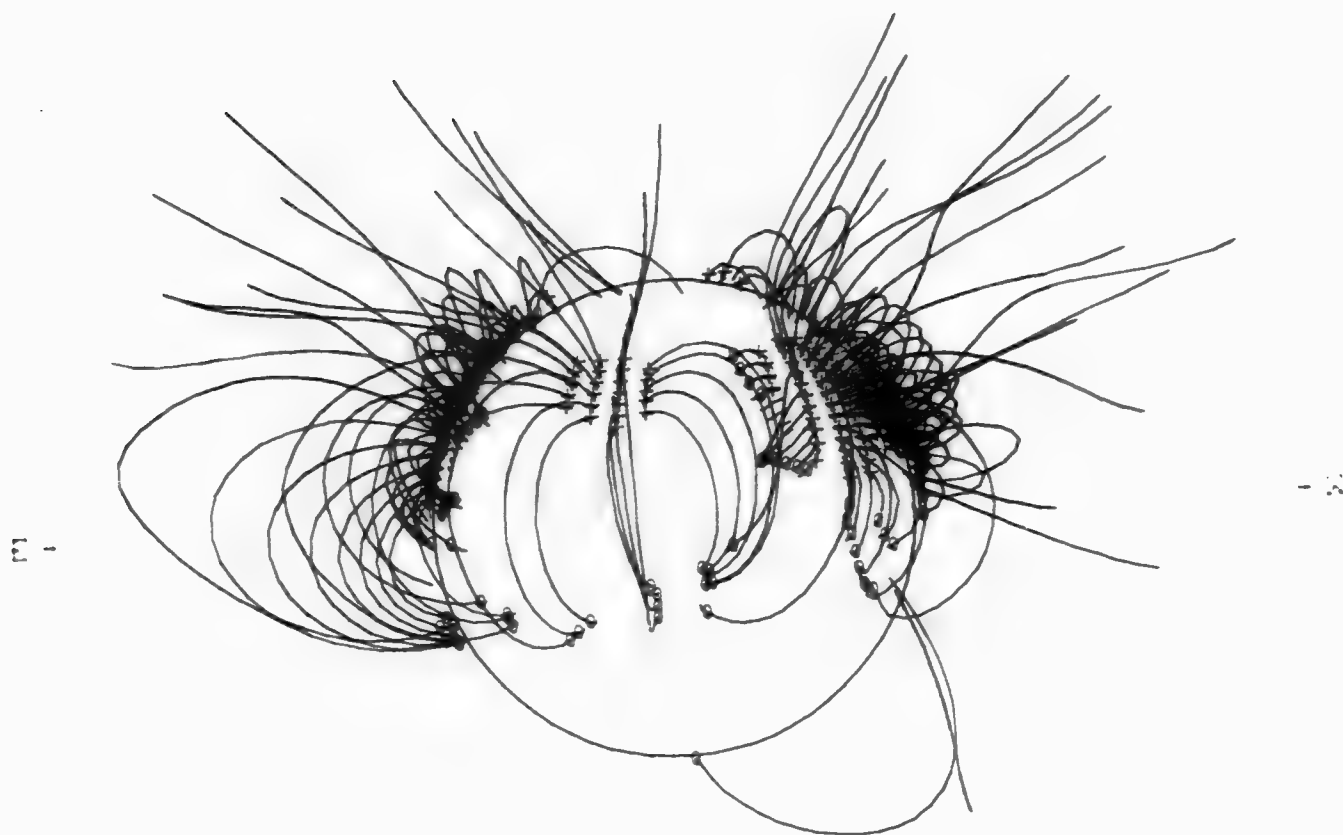


QUALITY FAIR
POLES DIRECT
DATA AND IN 1500.00

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RUT. 1523 210. 510°
12.6 11 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



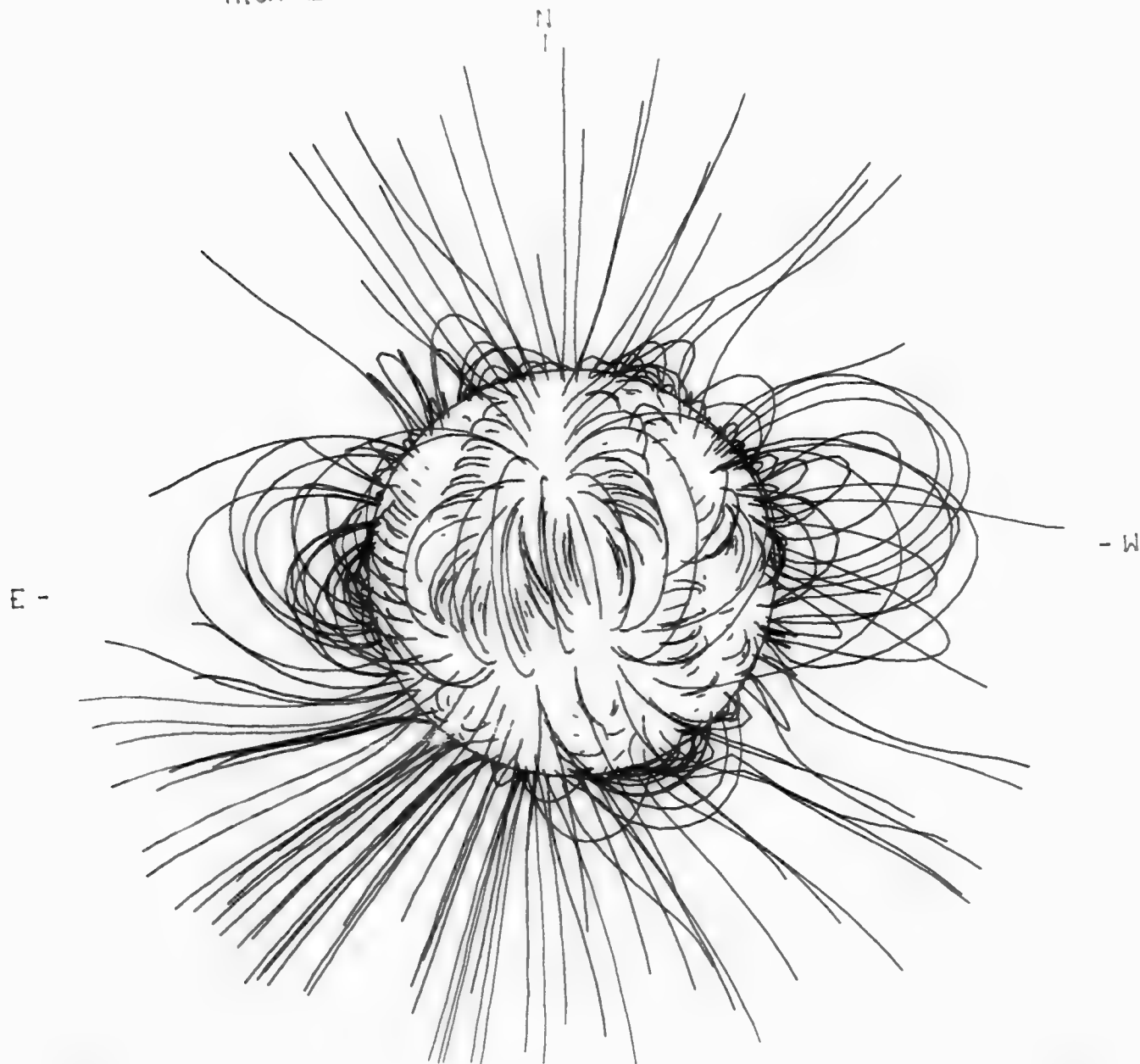
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POLES DIRECT

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8.7. 1523 20.6. 310°
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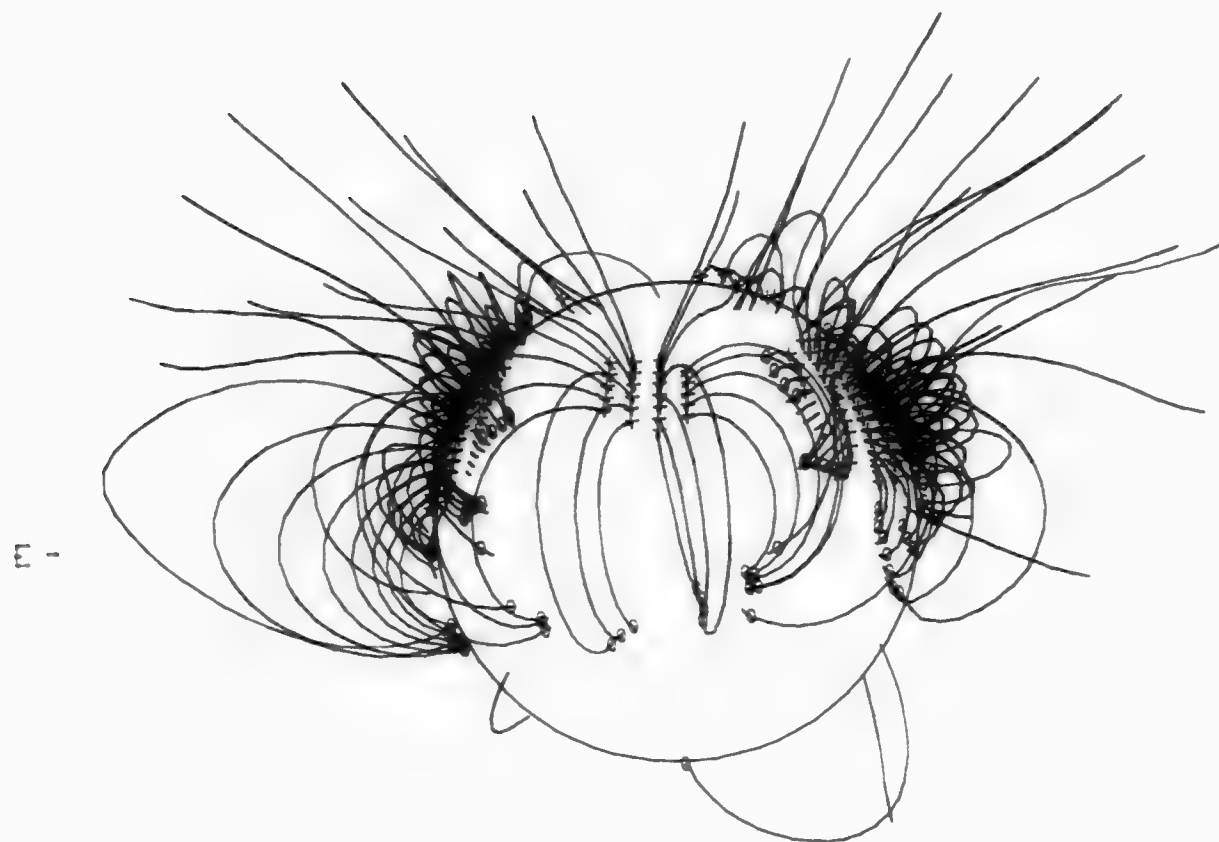
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QUALITY FAIR
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



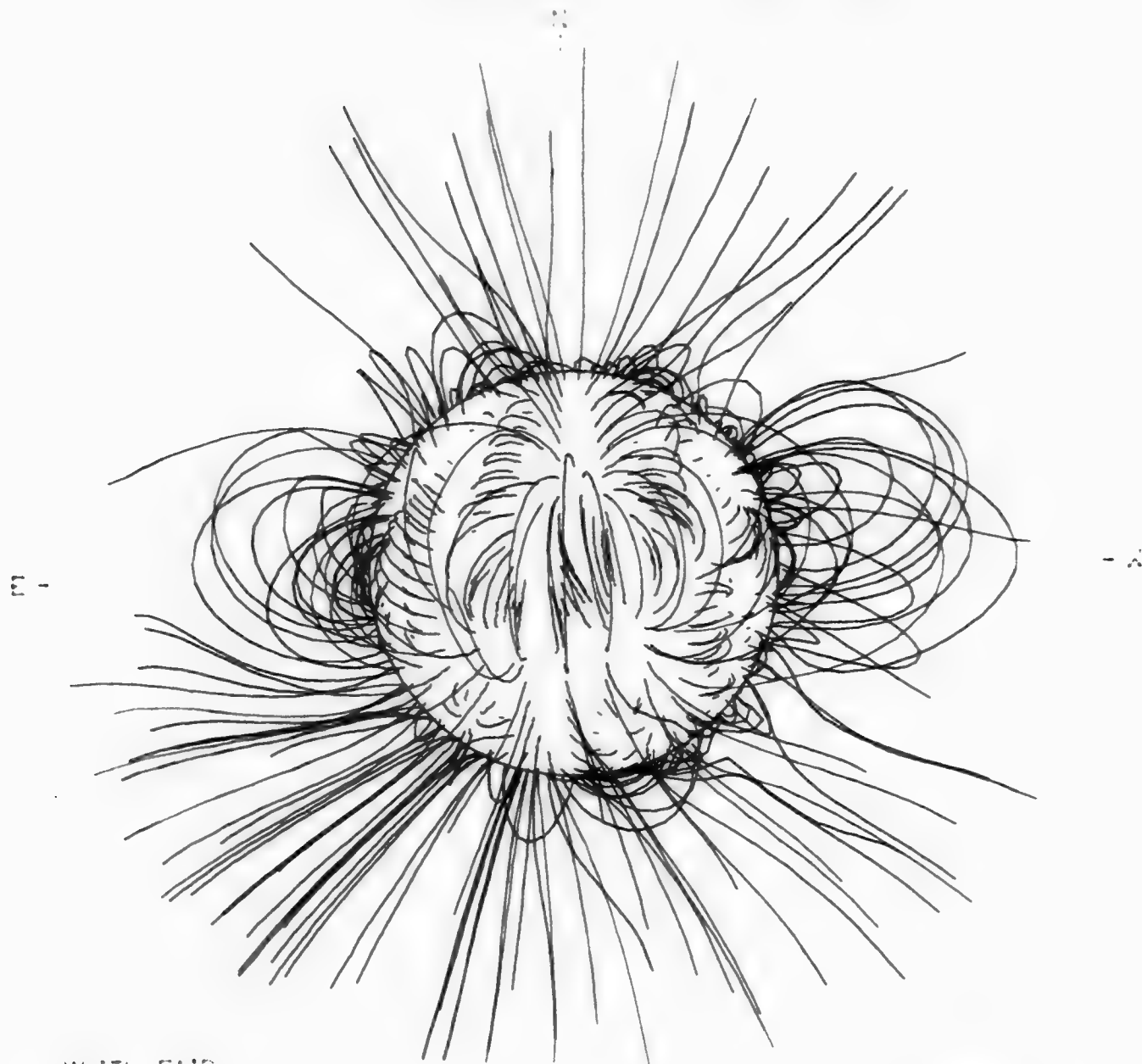
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ALTY. FAIR
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1.1. 1523 1.10. 311
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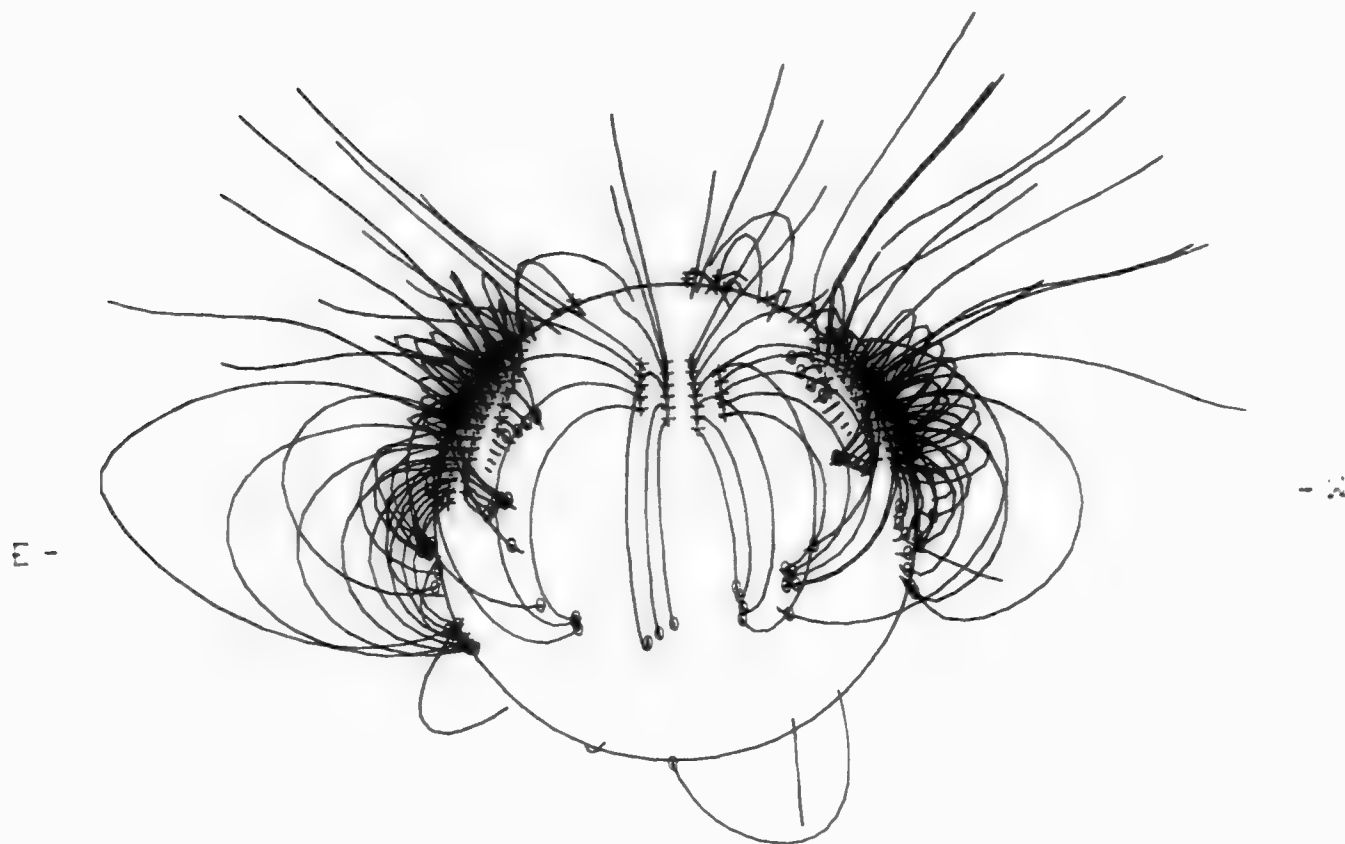


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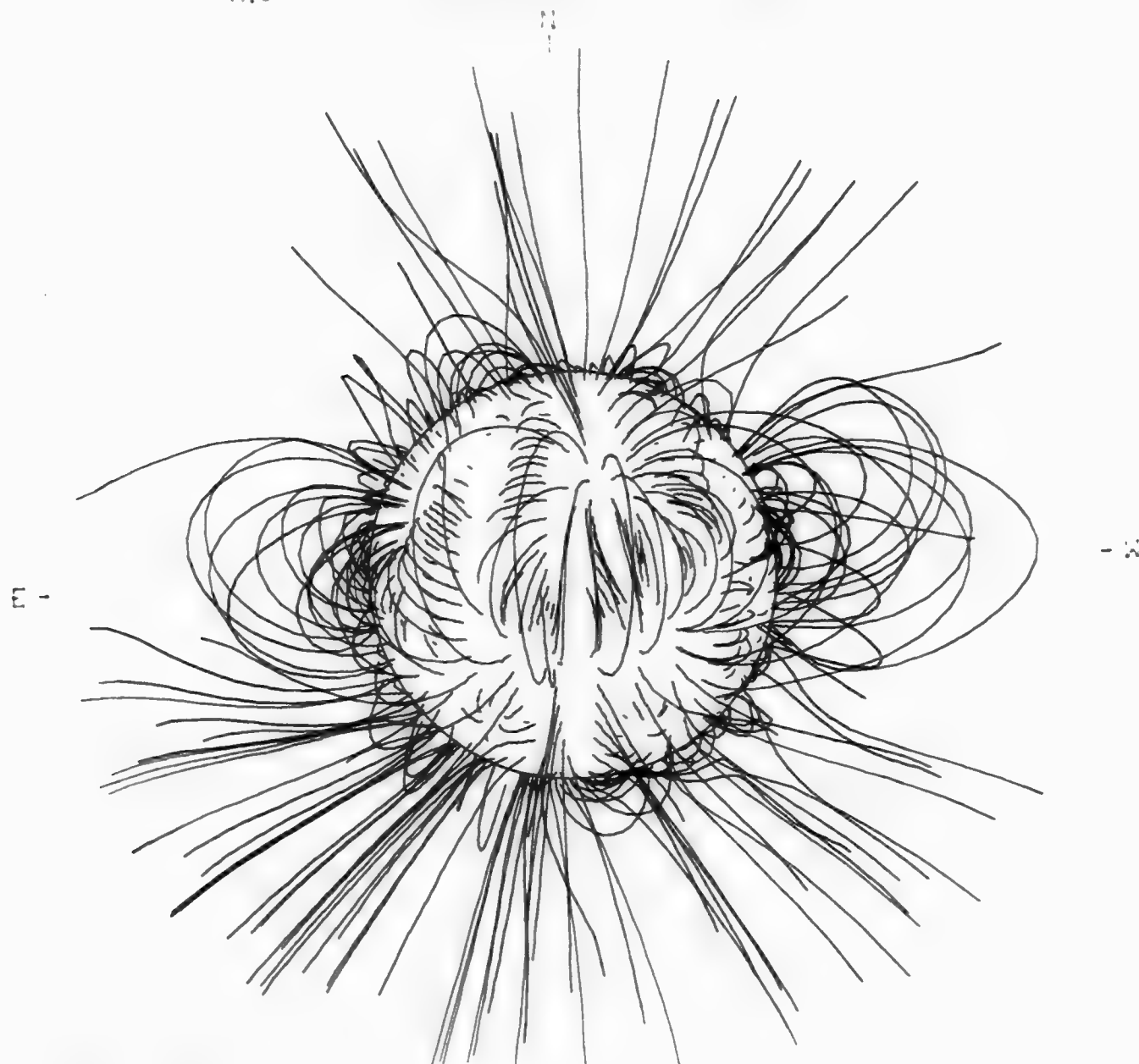


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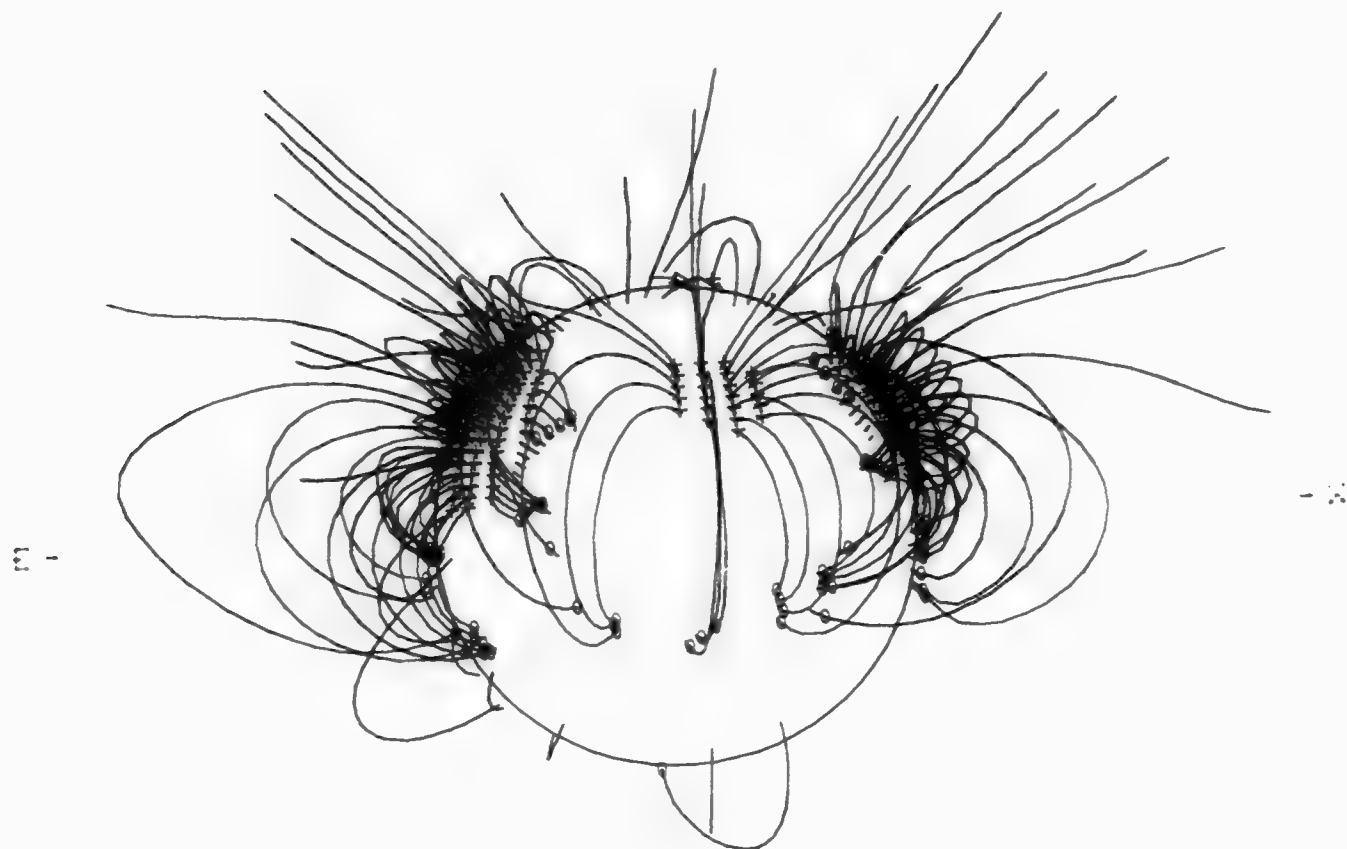


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ROT. 1523 LONG. 281°
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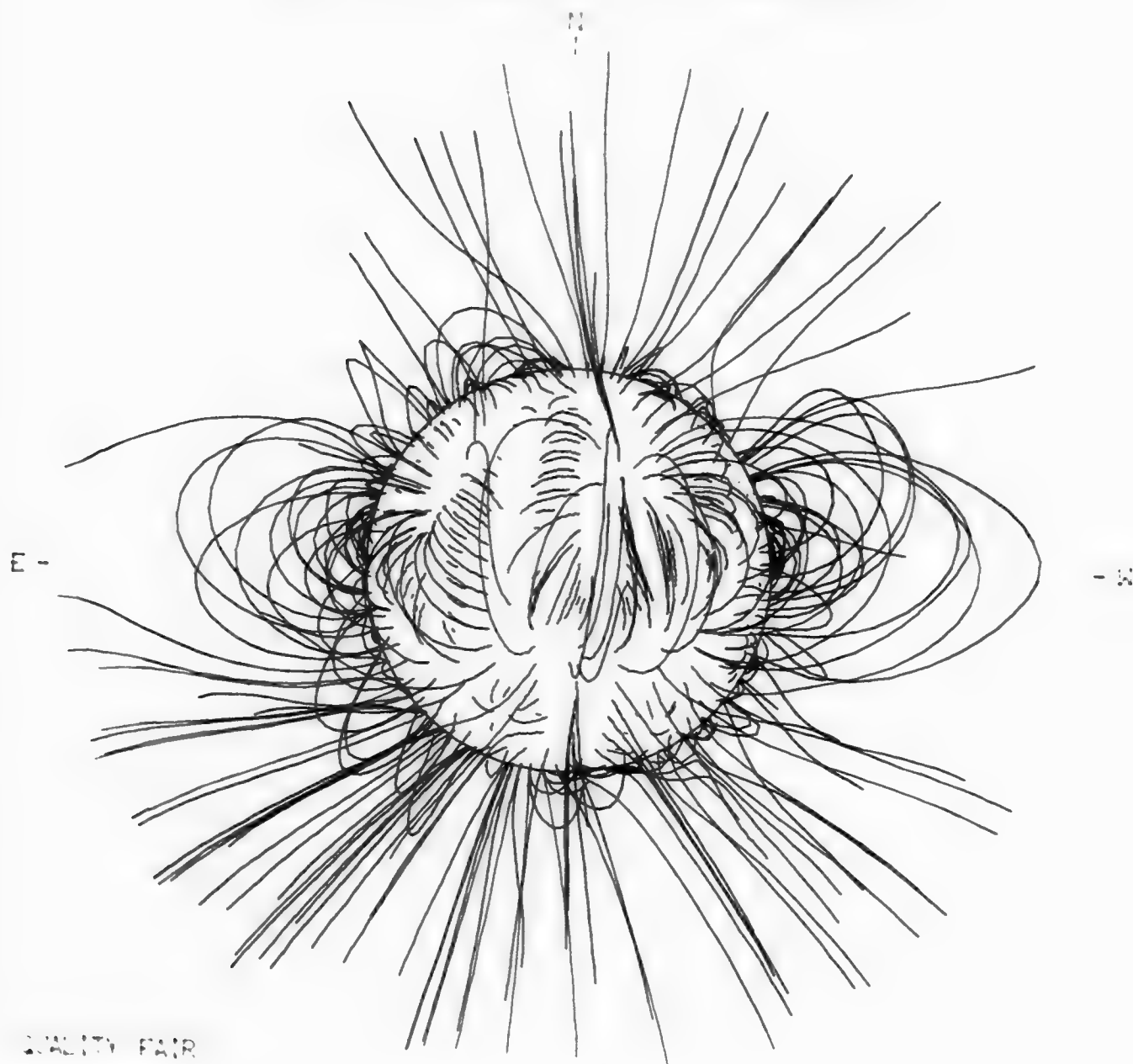


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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

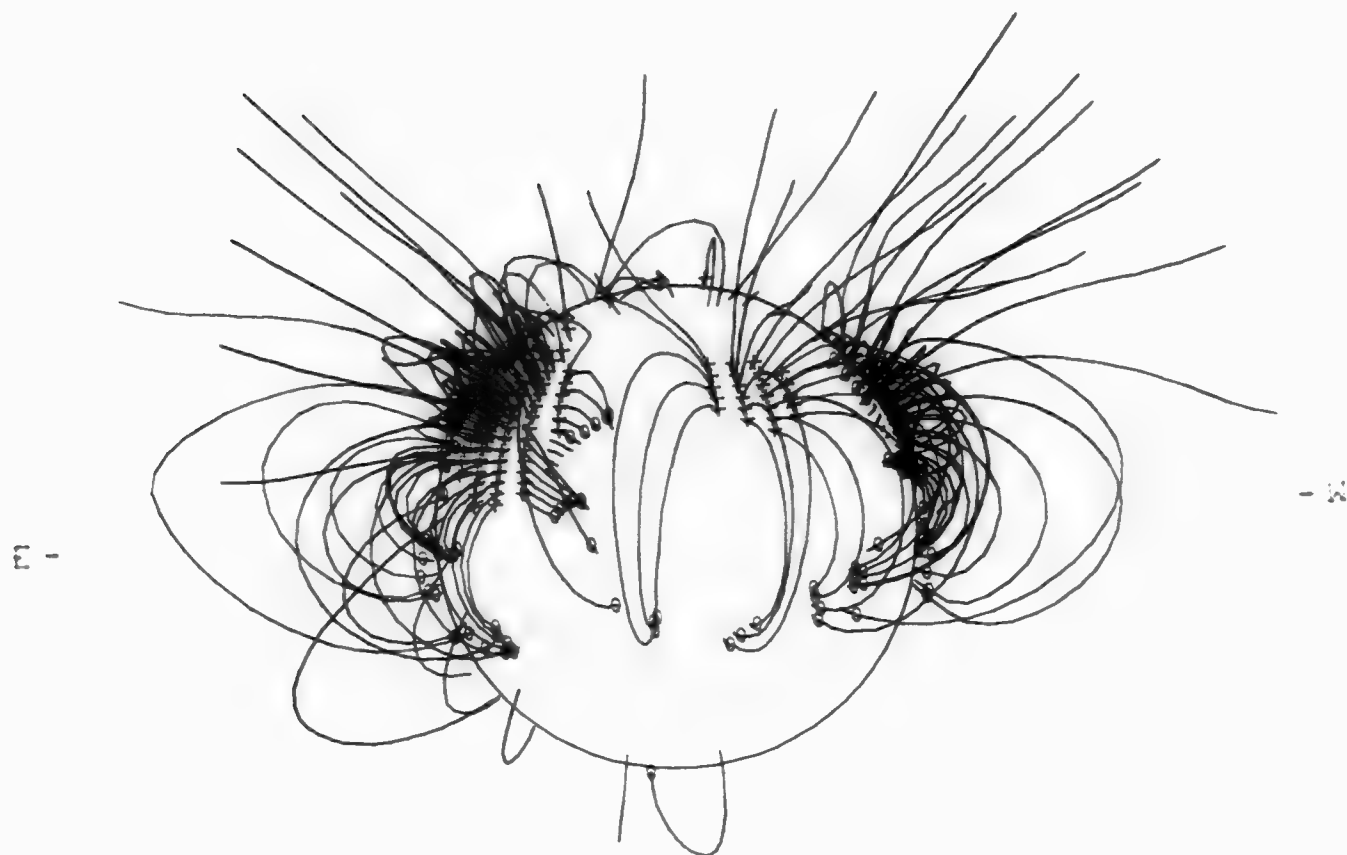
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ROT. 1523 LONG. 270°

15.5 JUL 1967

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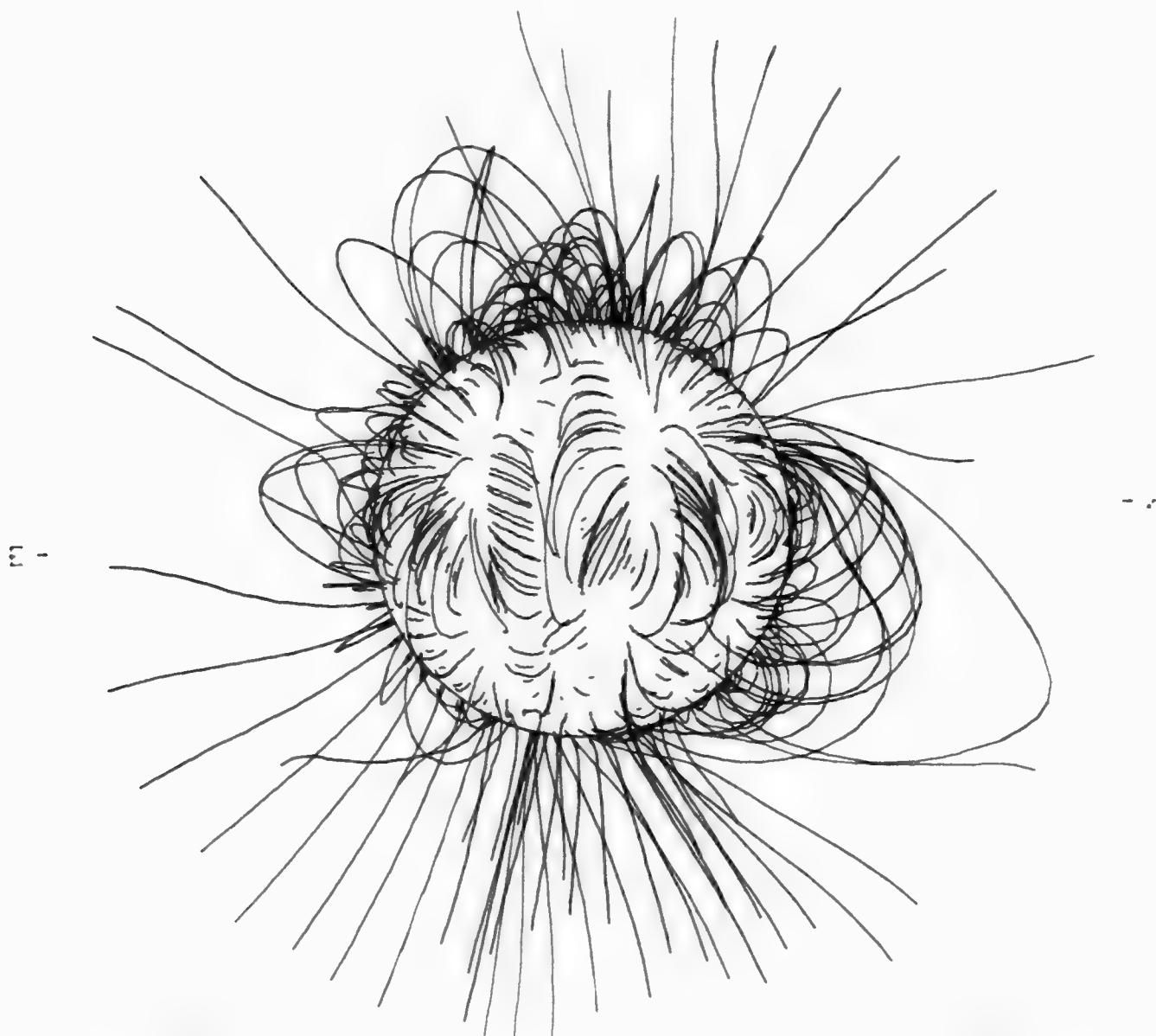


QUALITY FAIR
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ROT. 1523 1110. 270°
 15.5 JUL 1967

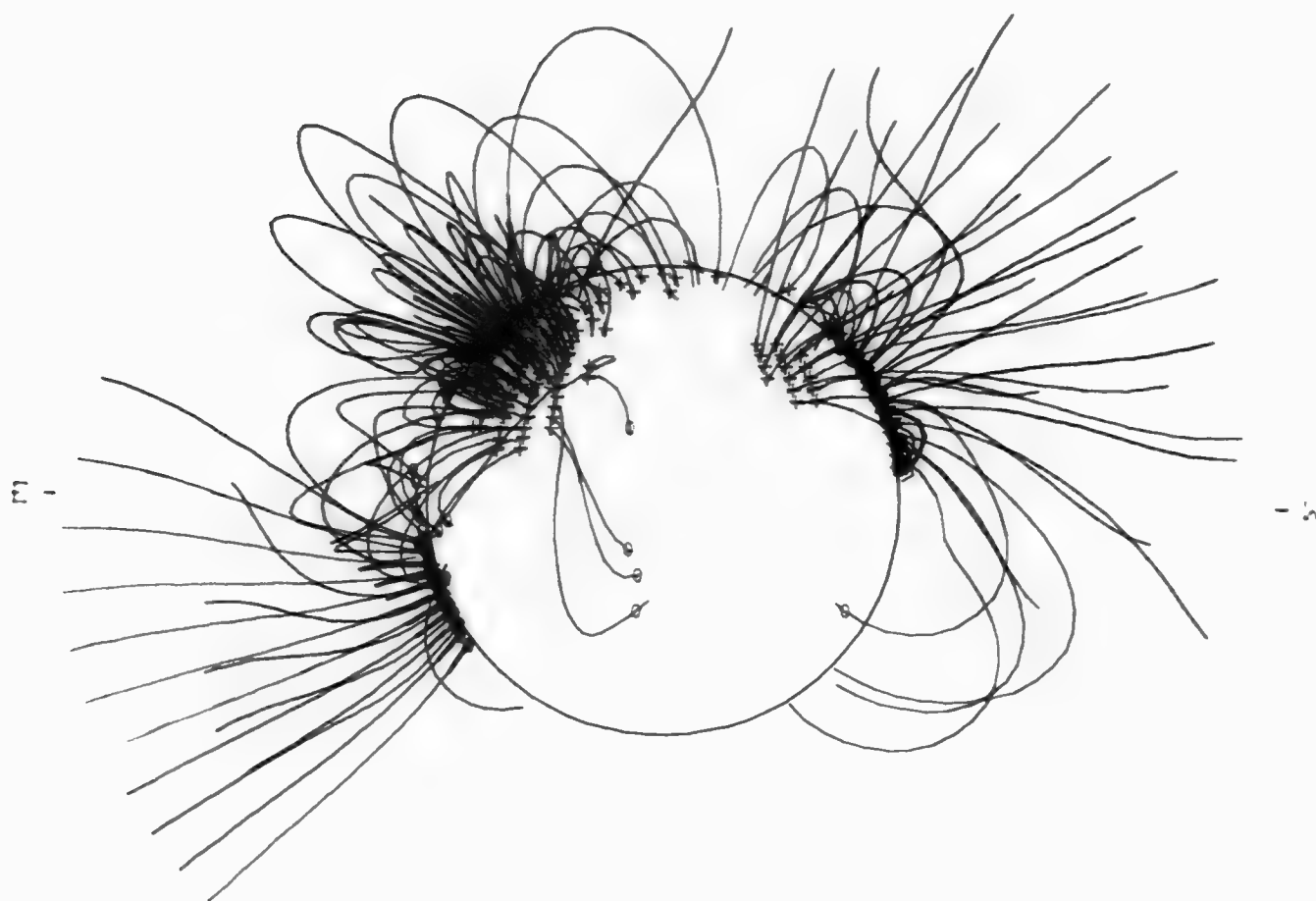
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ALTA PAIR
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FLUX LINE
 DATA WINDOW 15.00.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

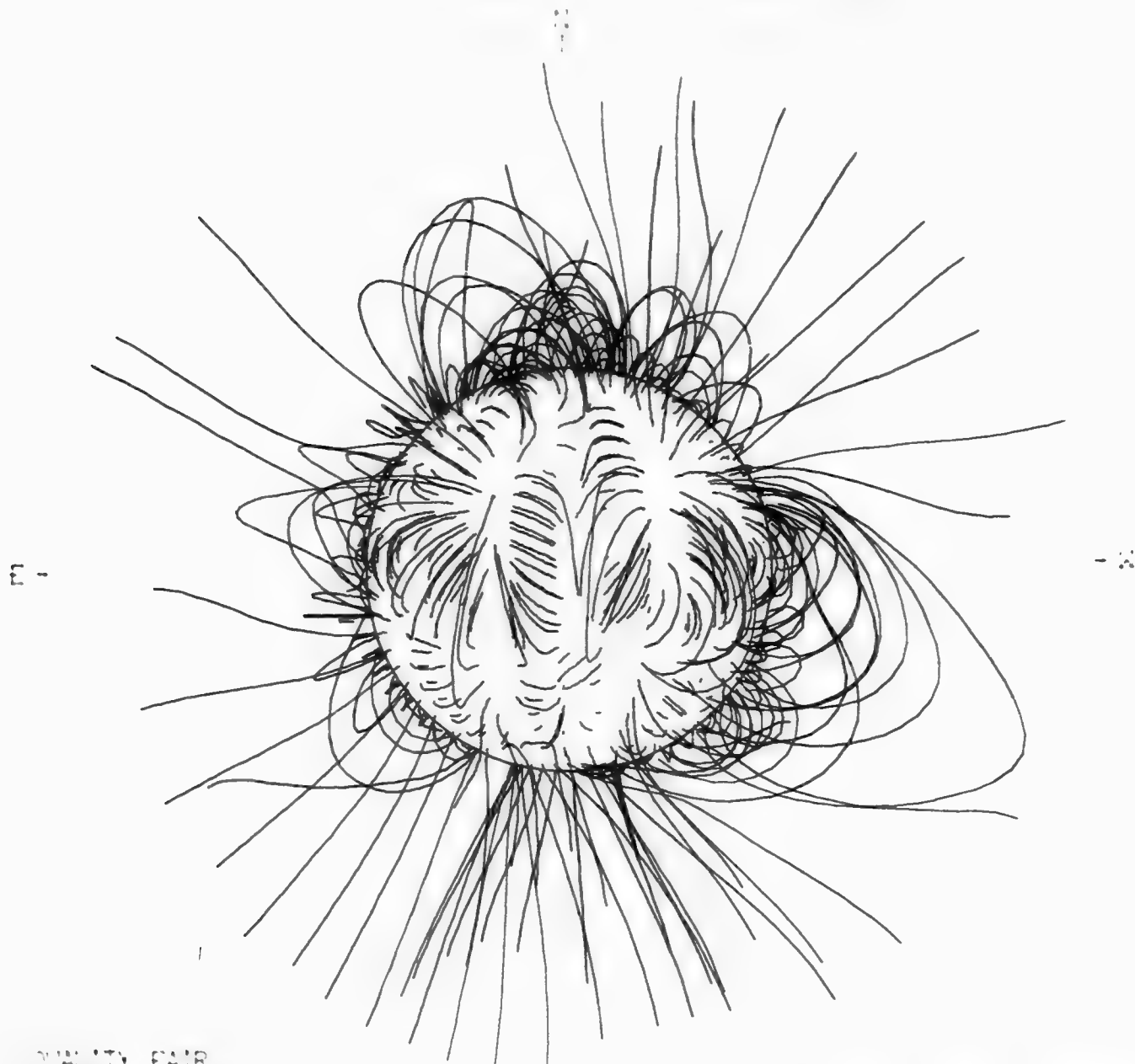
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ROT. 1523 2013.261

10.4 111 1.57

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

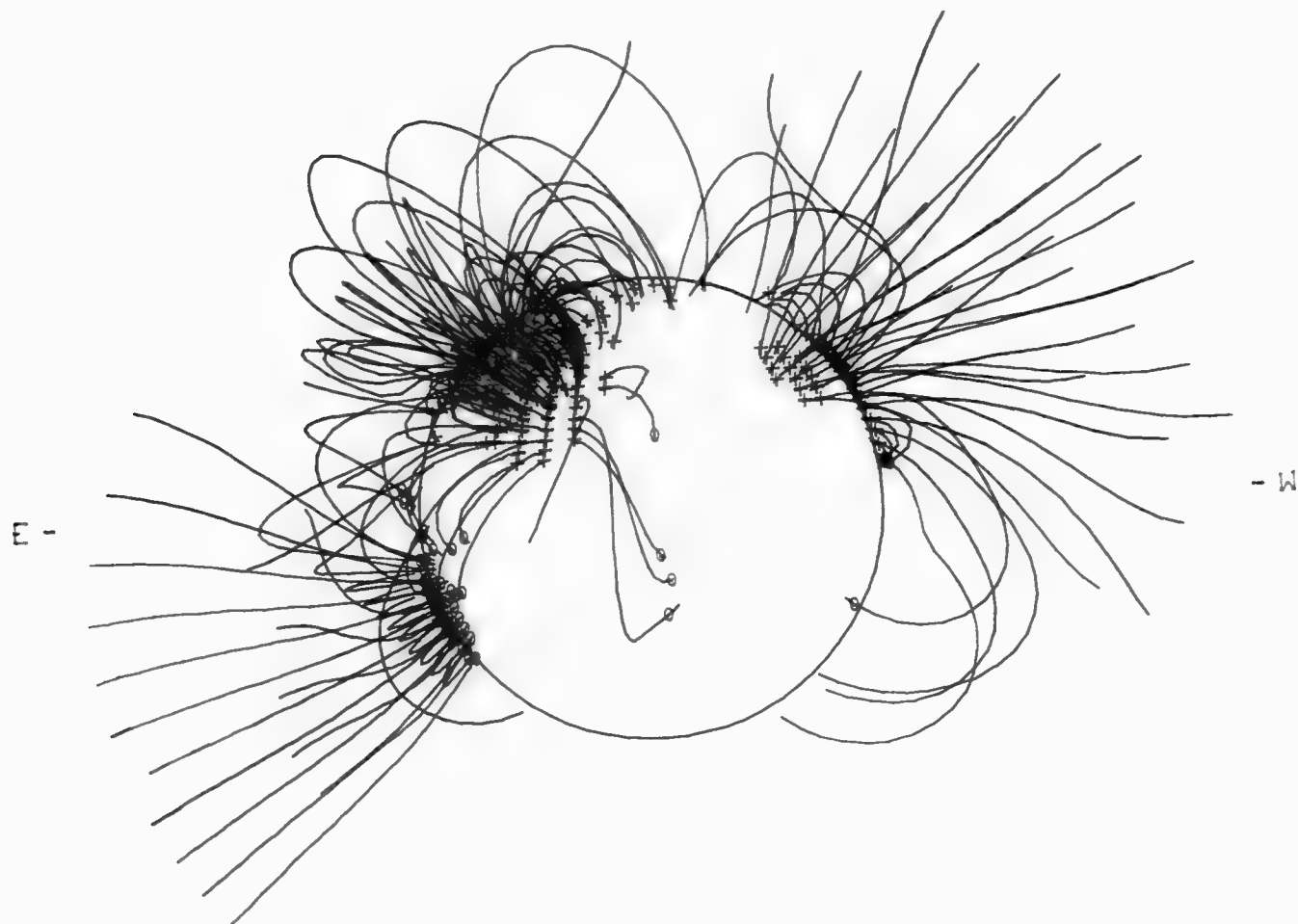
POLES DIRECT

DATA WINDOW 1523.00

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17.1 JUL '96

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

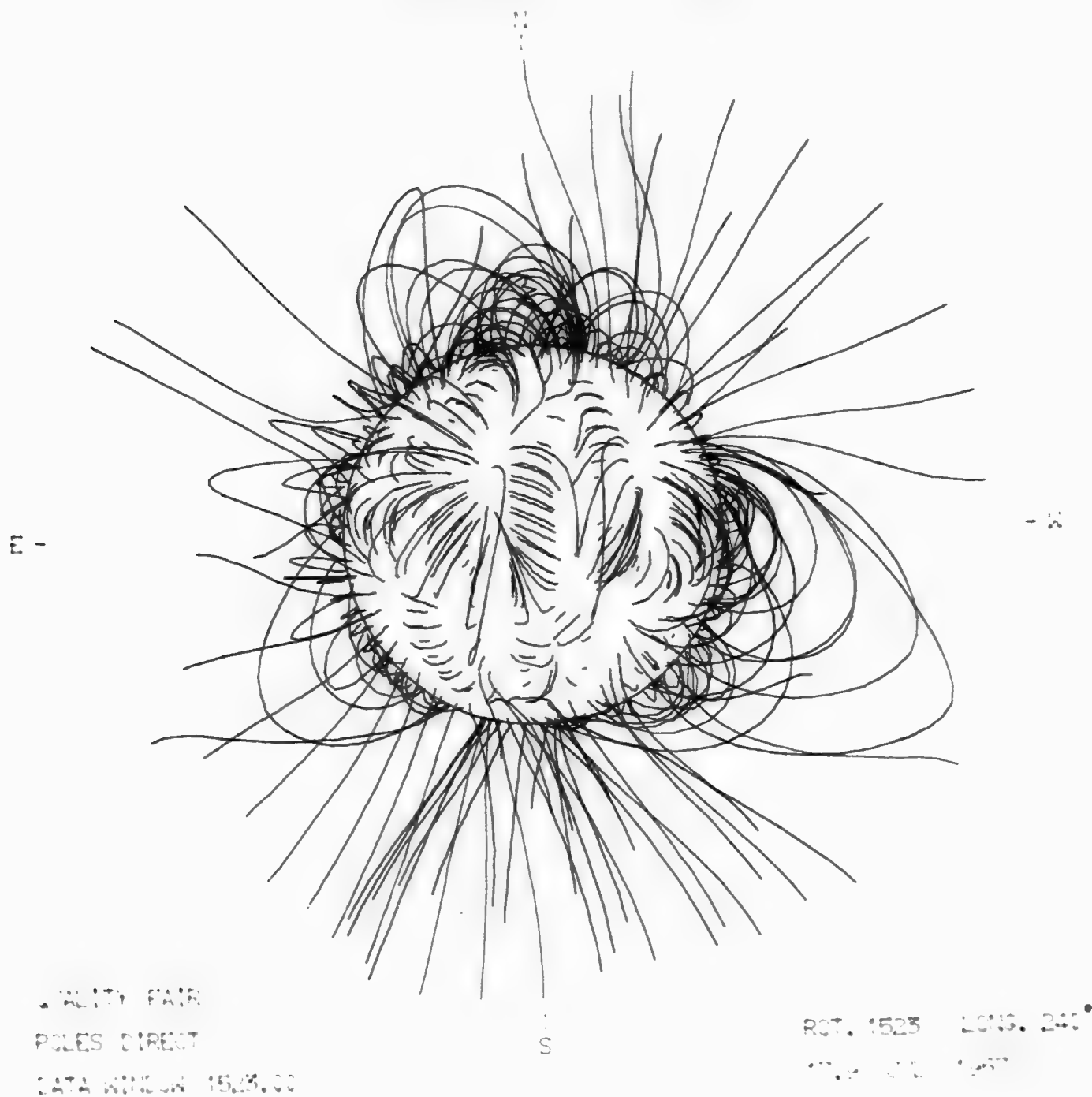
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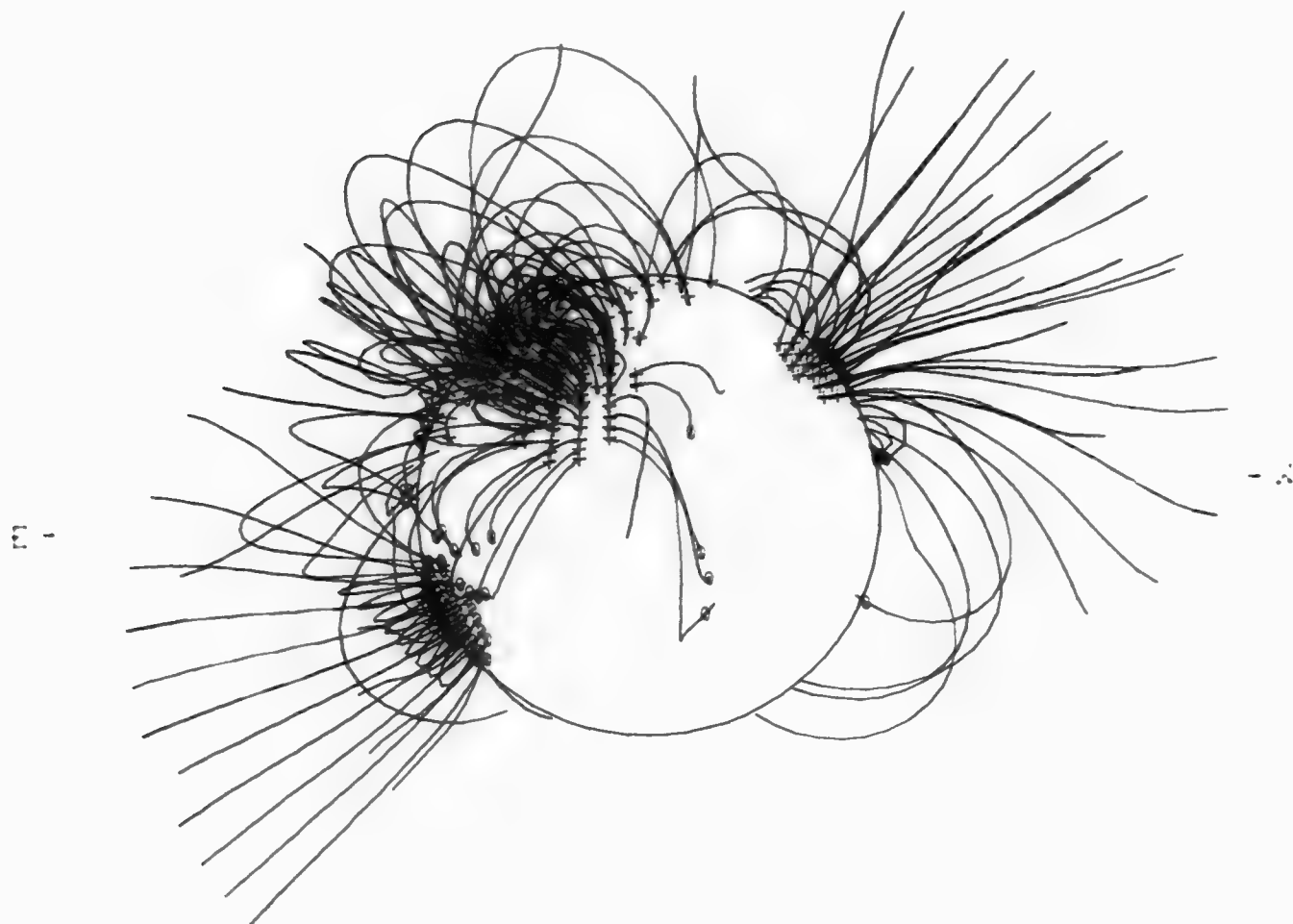
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17.1 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



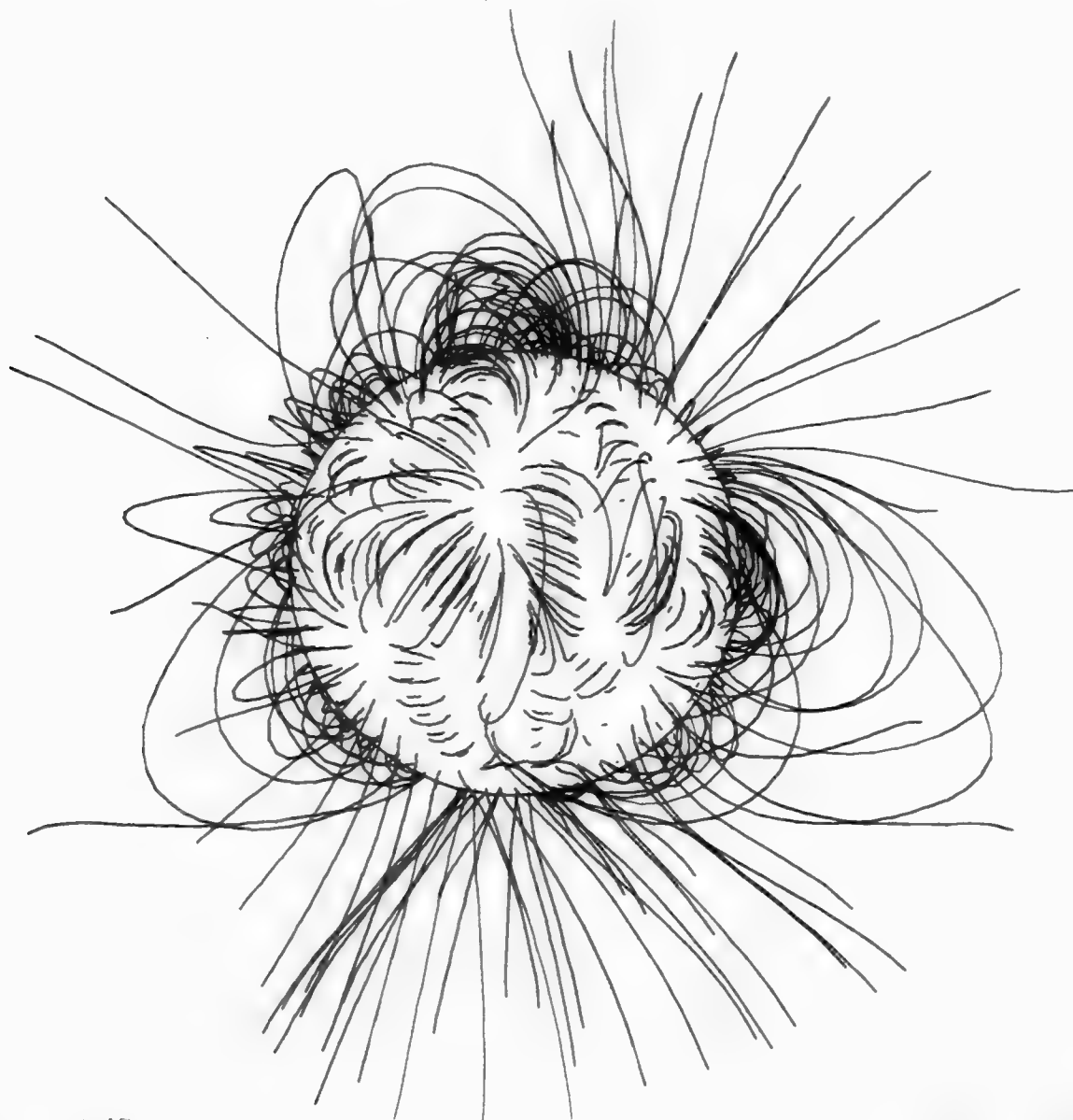
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J. W. 174 FAIR
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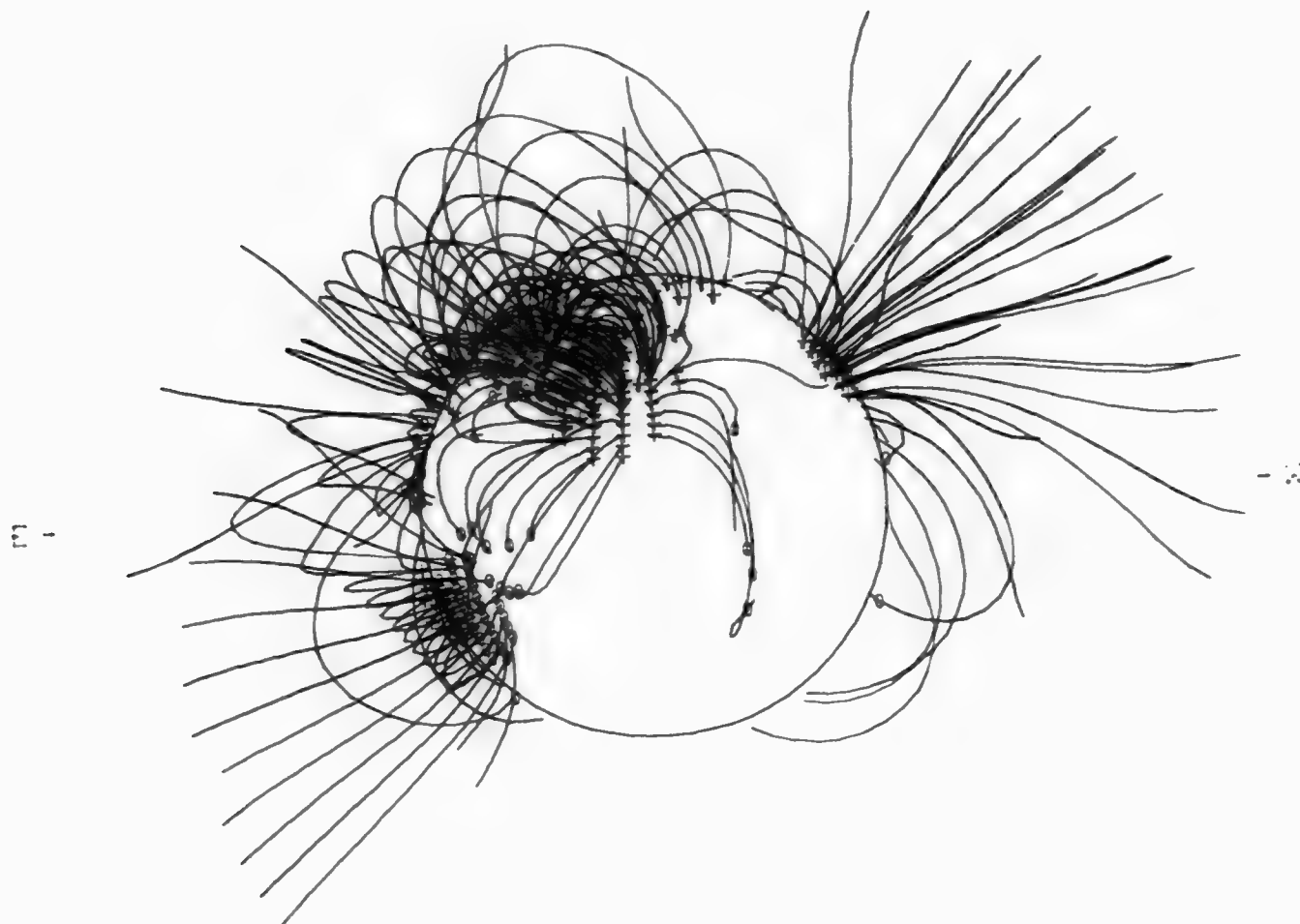
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QUALITY FAIR
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R.T. 1505 1000.00
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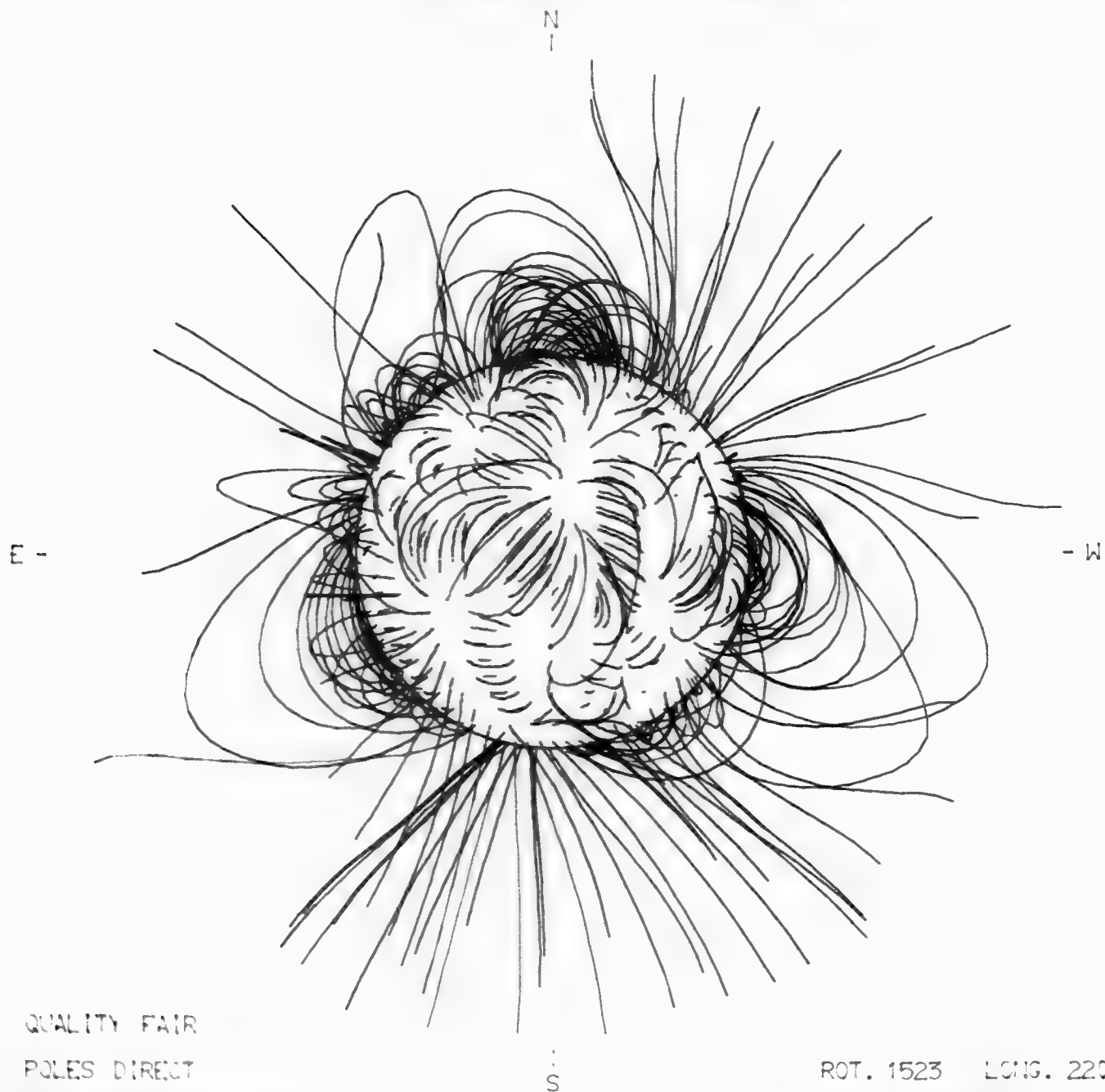


1. 10.17. FAIR
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10.17. 1503.00
 18.6 JUL 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

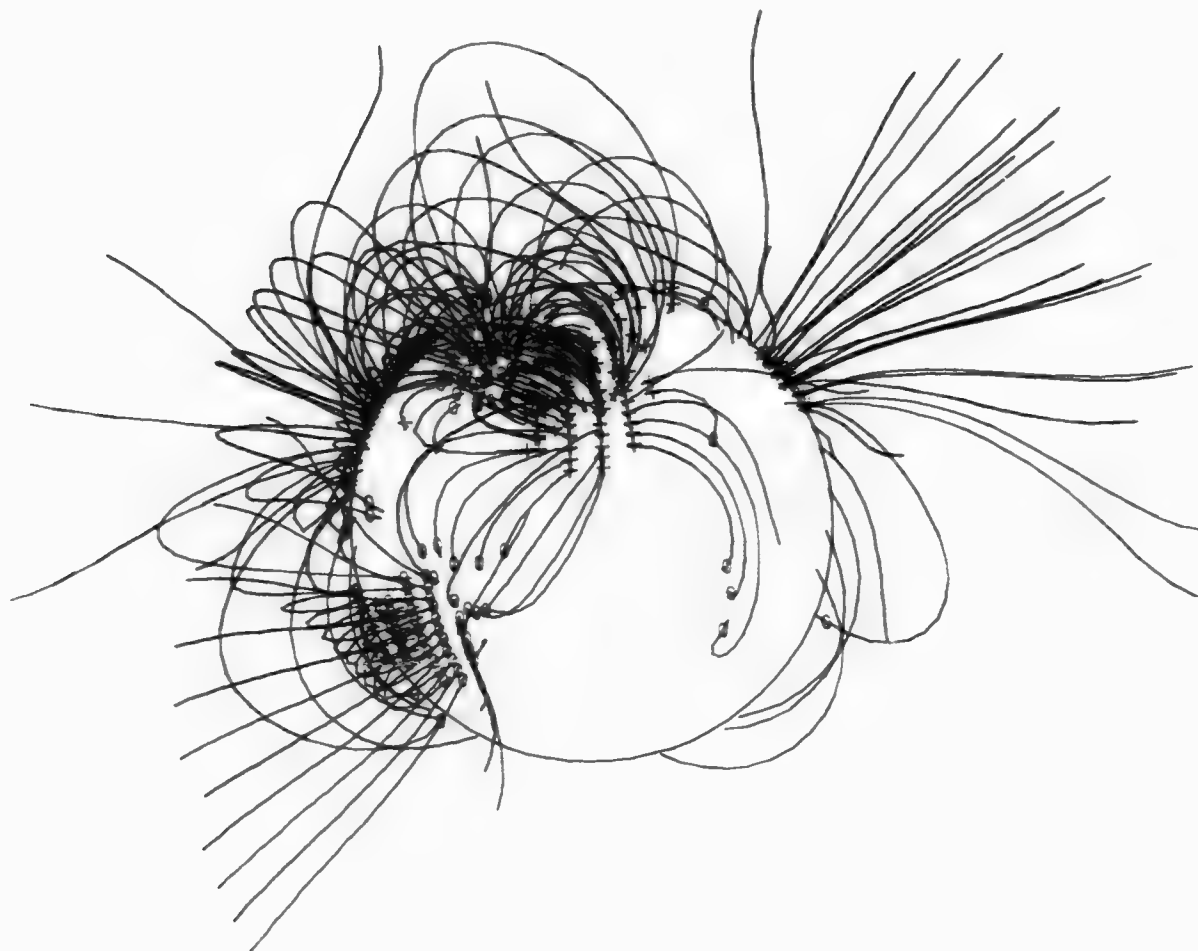
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DATA WINDOW 1523.00

ROT. 1523 LONG. 220°

19.4 JUL 1967

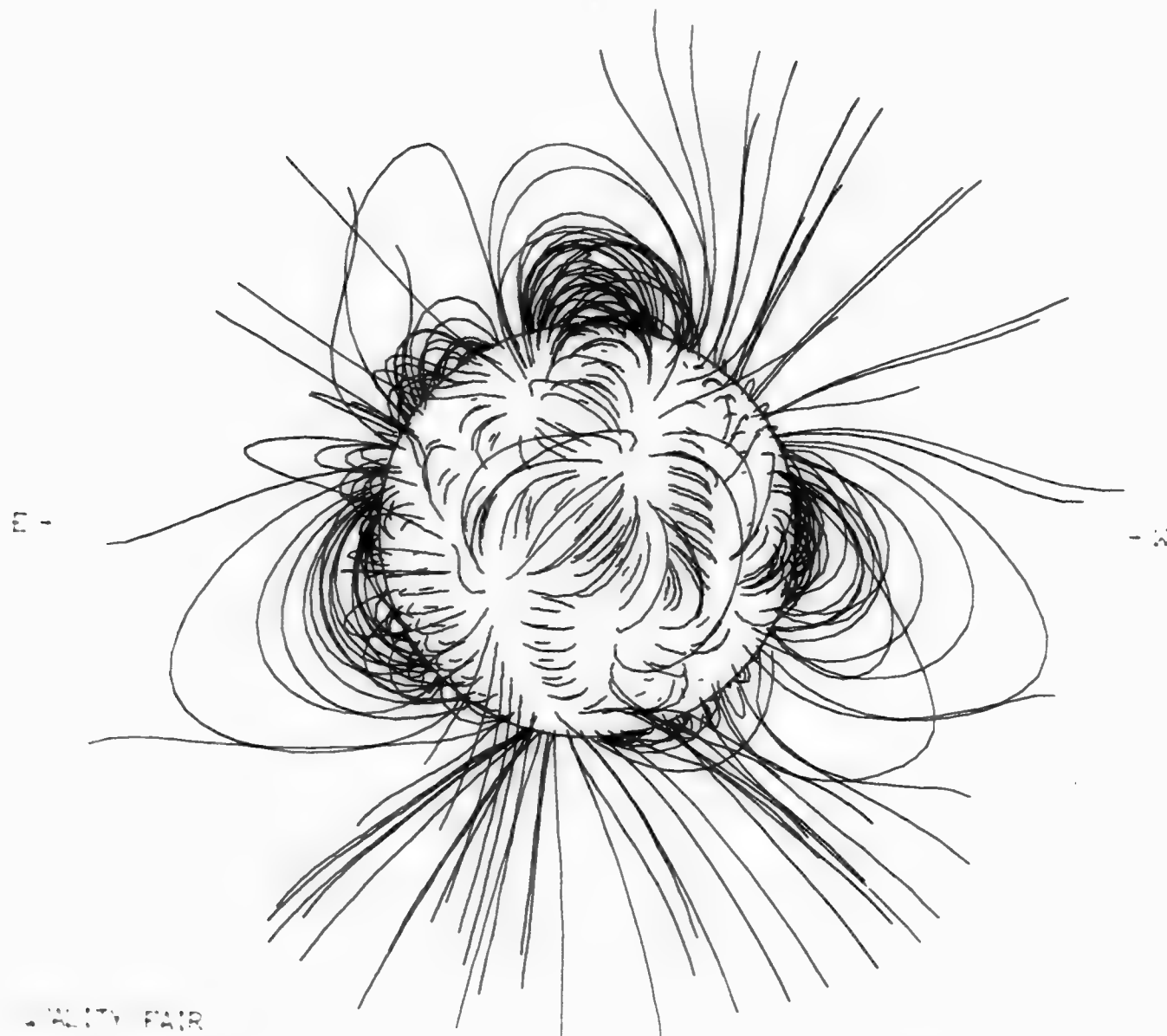
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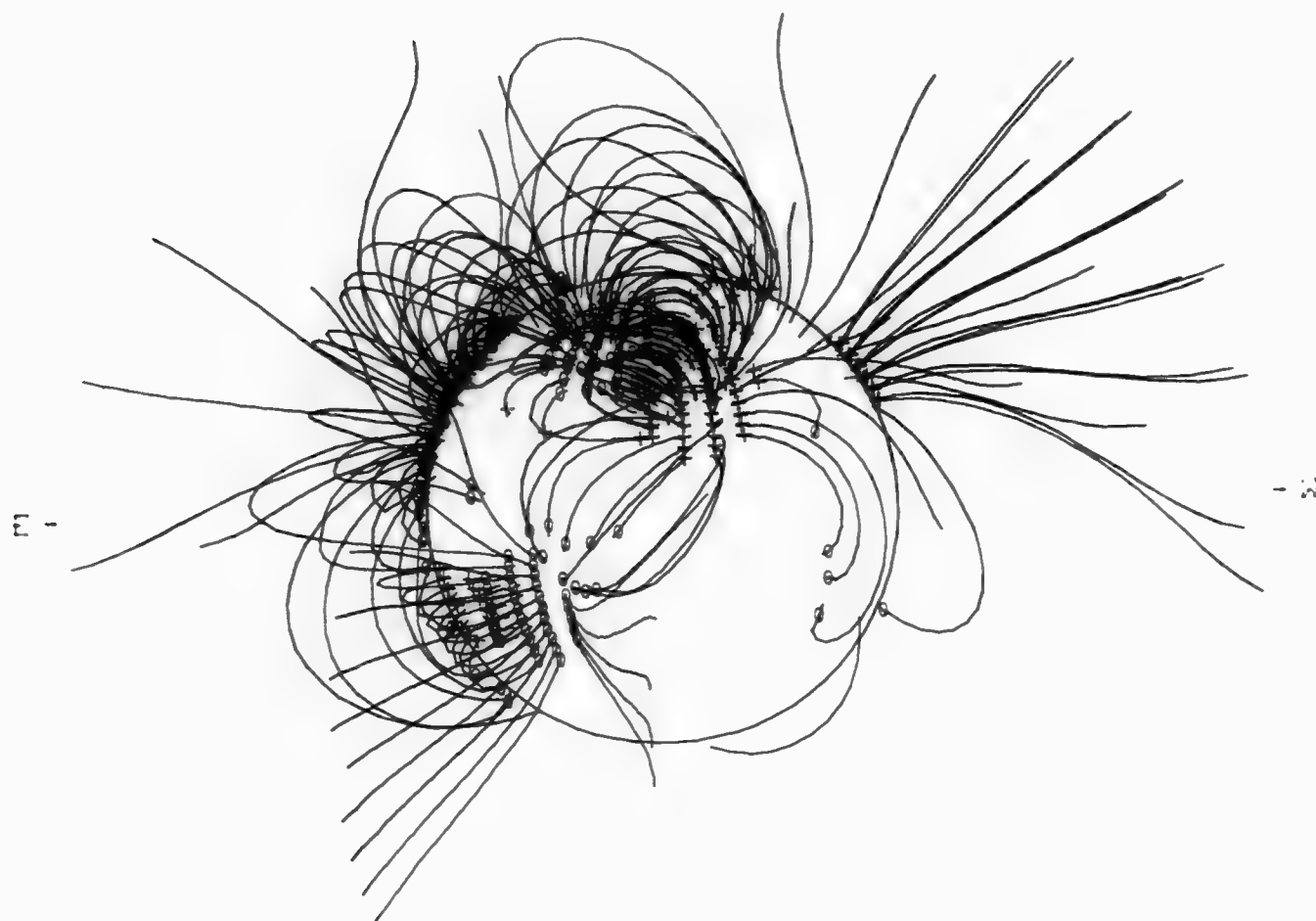


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ROT. 1523 210.2°
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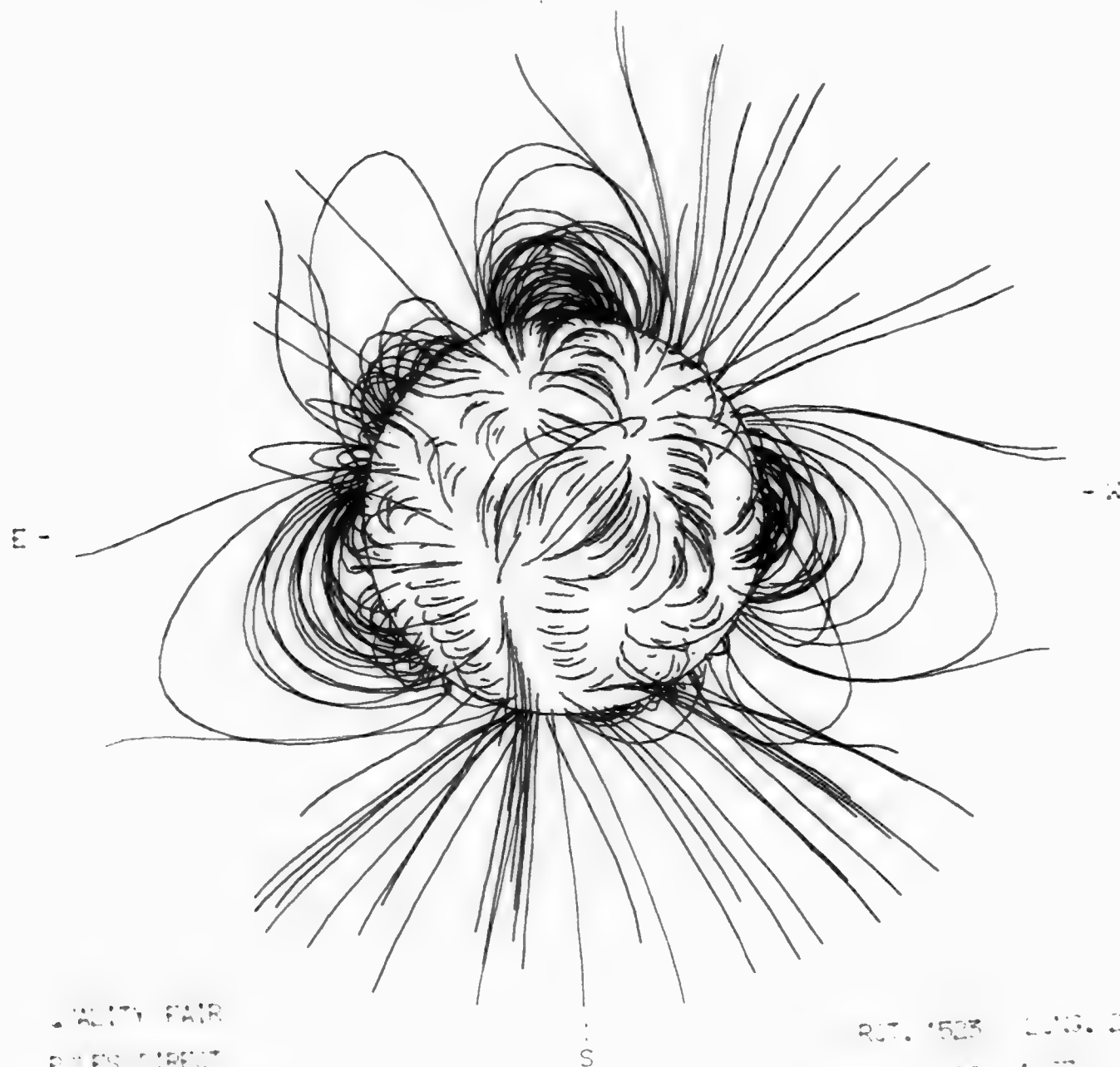


QUALITY FAIR
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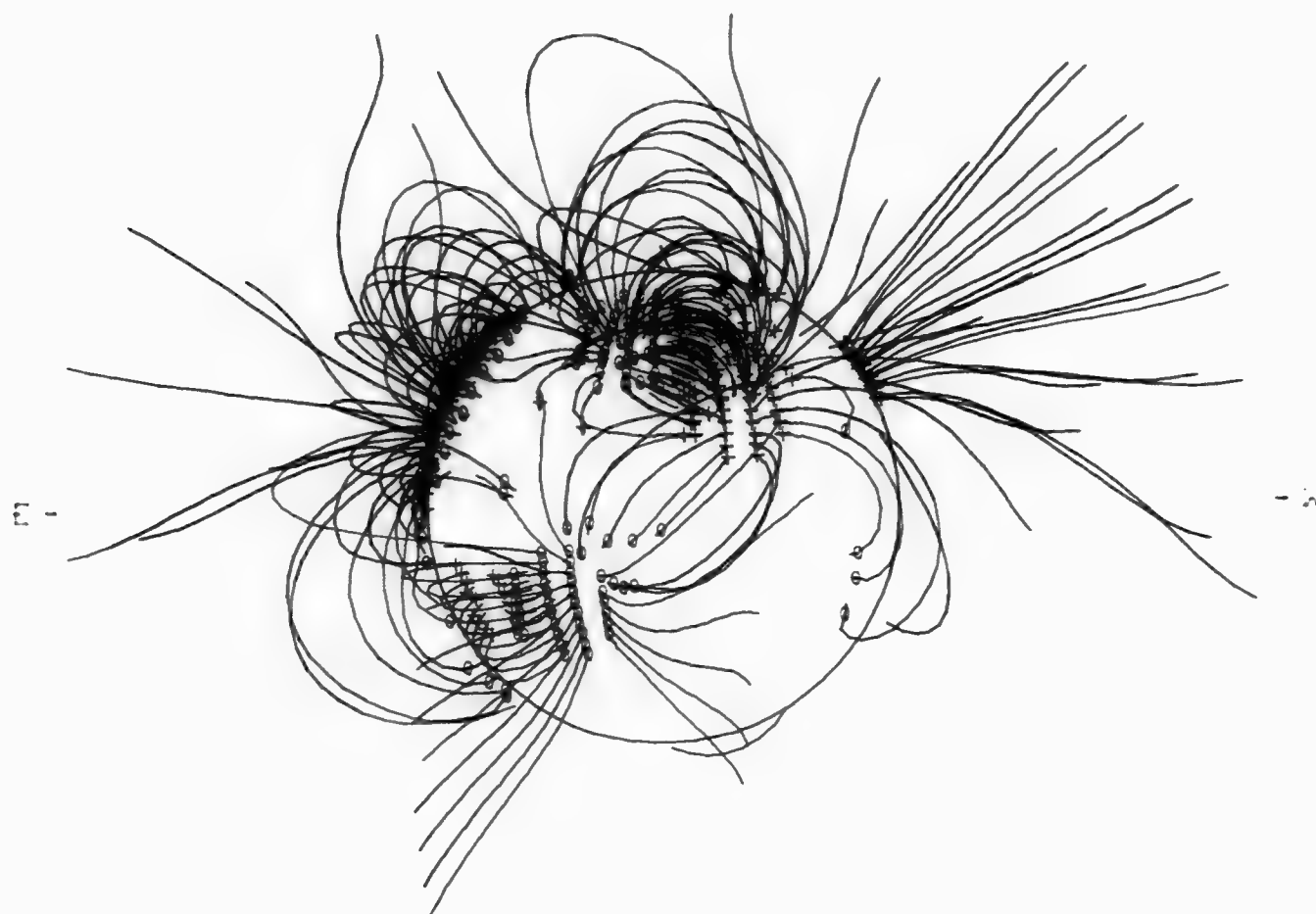
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QUALITY FAIR
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ROT. 1523 1110. 200°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



2. 10. 17. 19. 19. 19.

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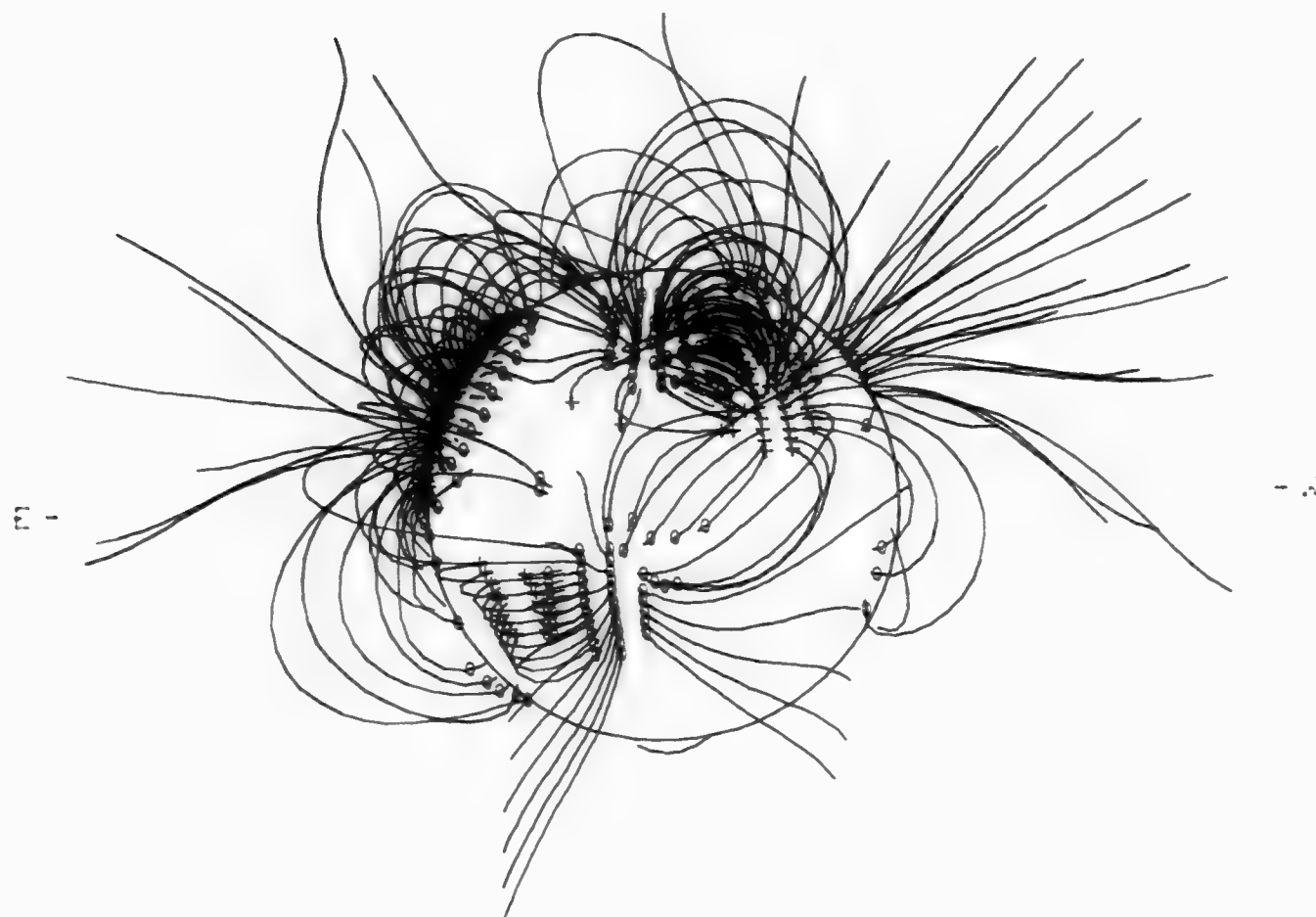
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QUALITY FAIR
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ROT. 1523 LONG. 190°
 21.7 DEC 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

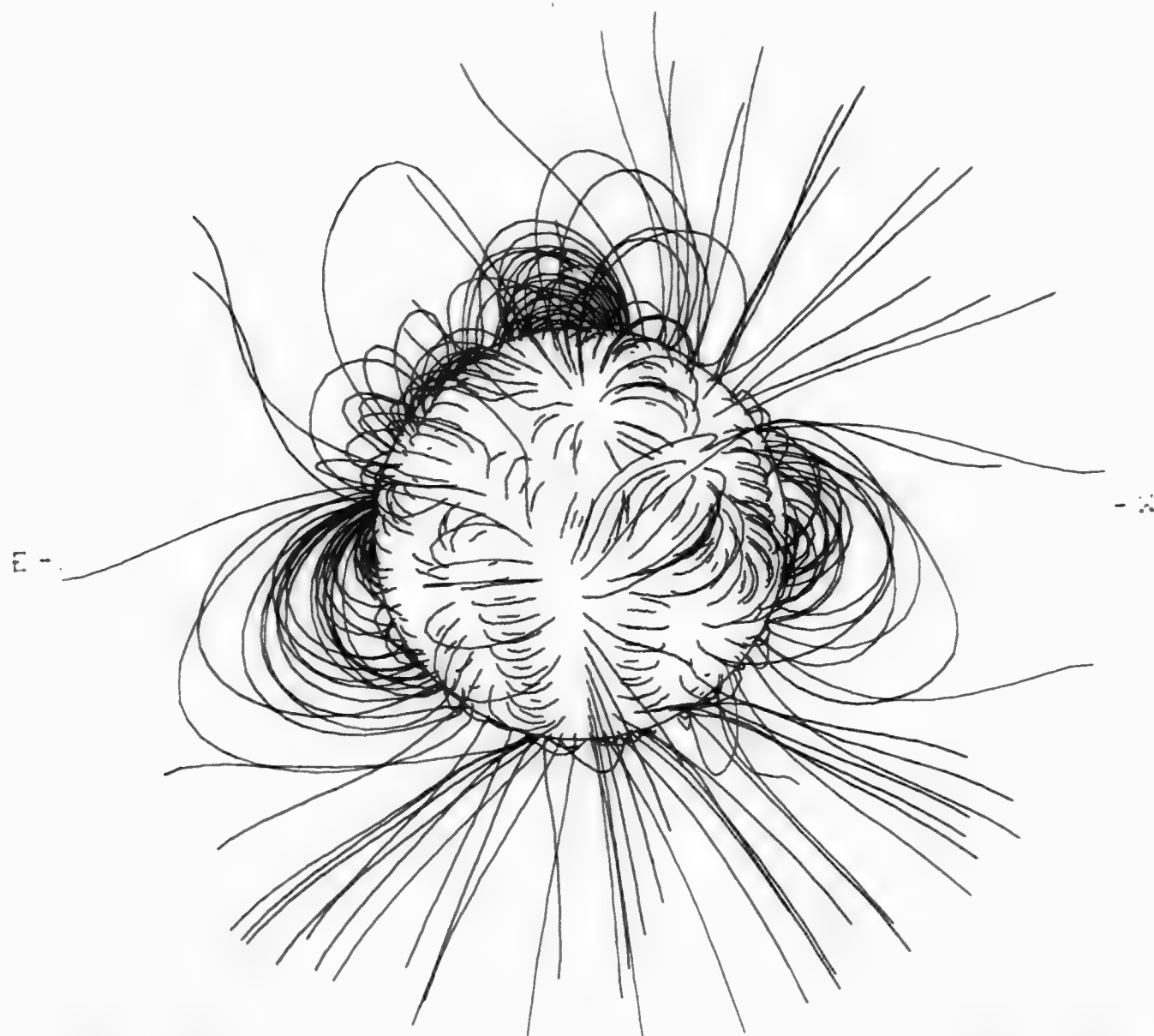
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RUT. 1523 2013. 14°

11.17 11.17

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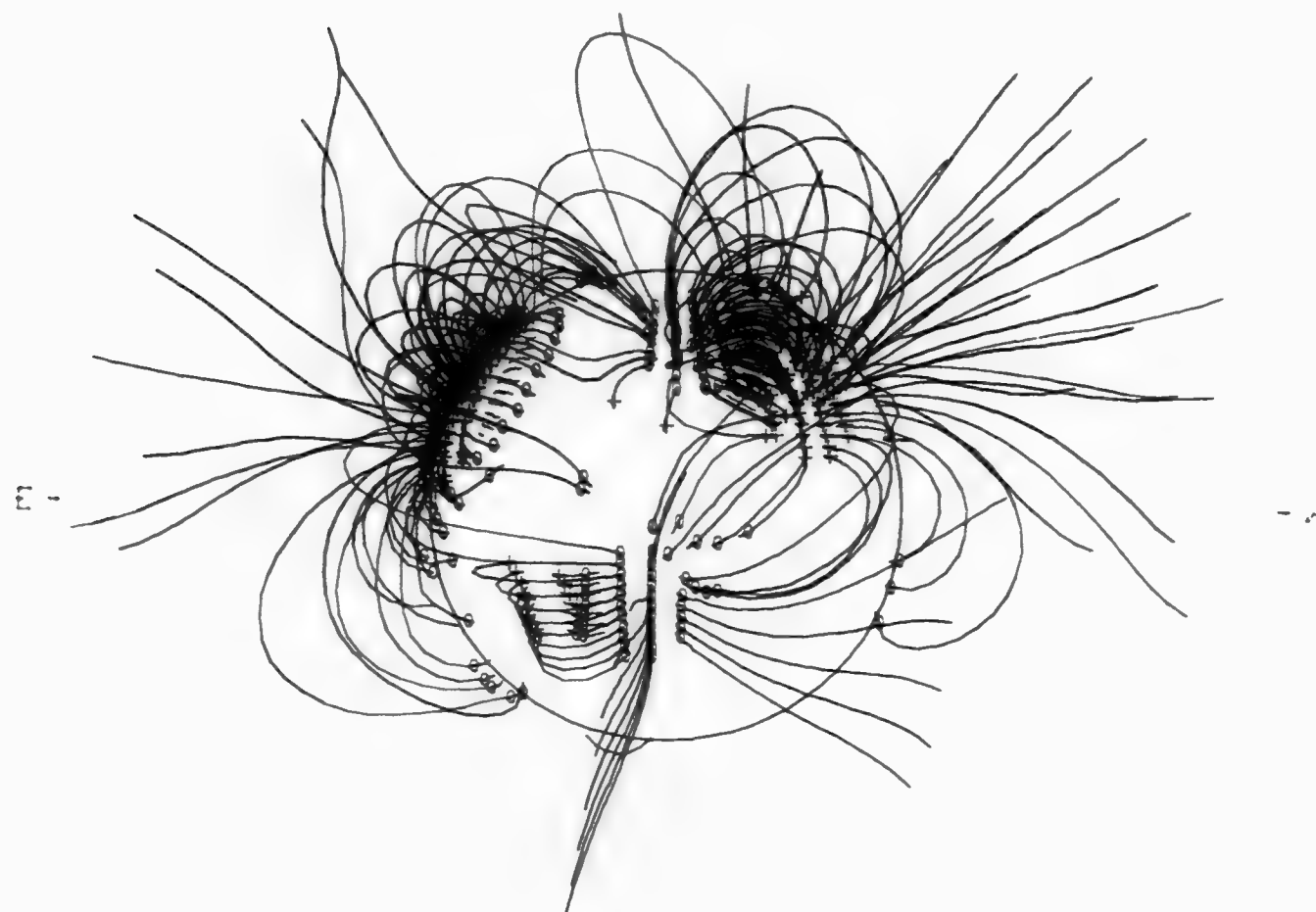


QUALITY FAIR
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ROT. 1523 2013. 181°
22.4 011 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

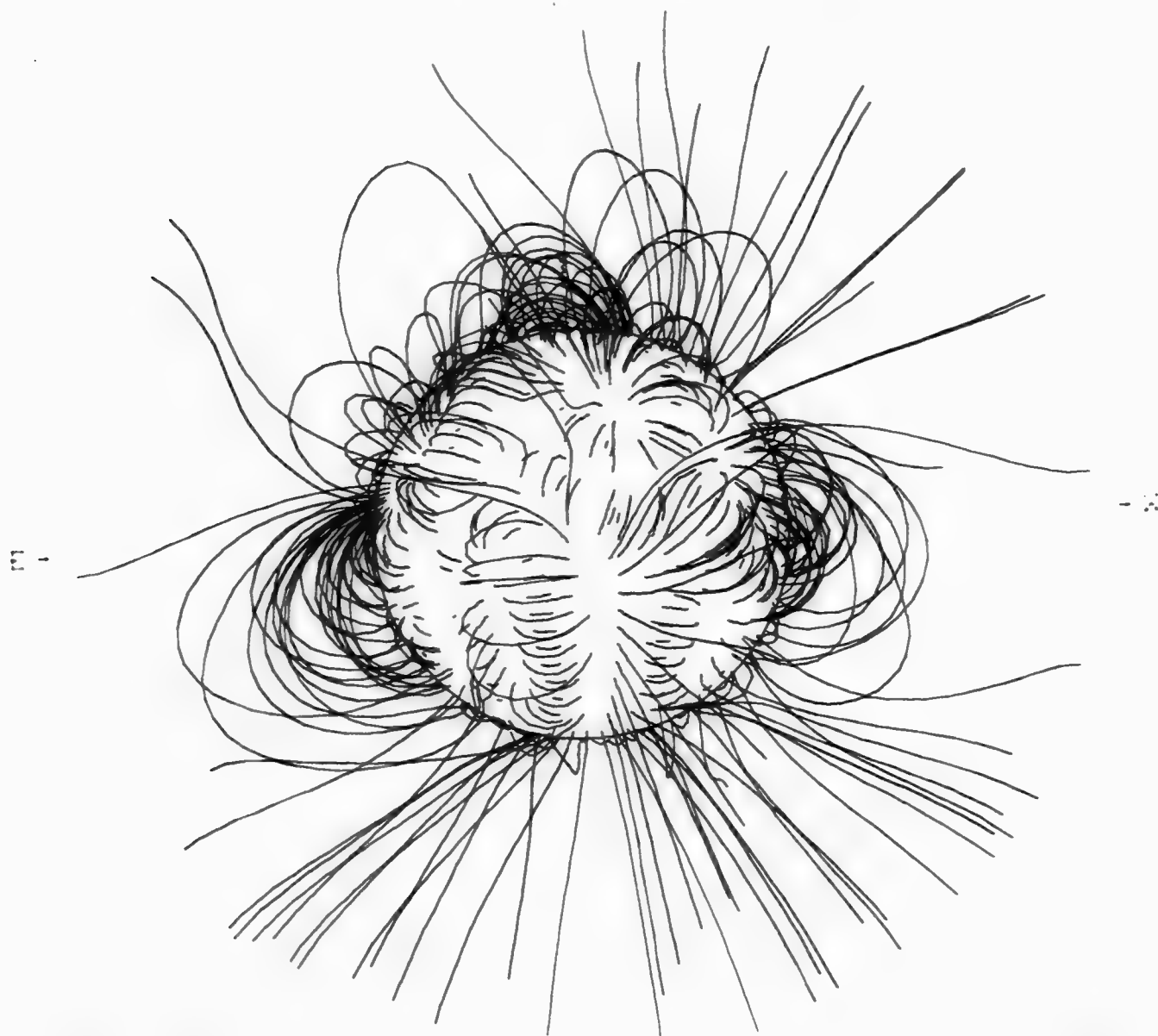
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FILE 1523 1000 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FULLY CURRENT
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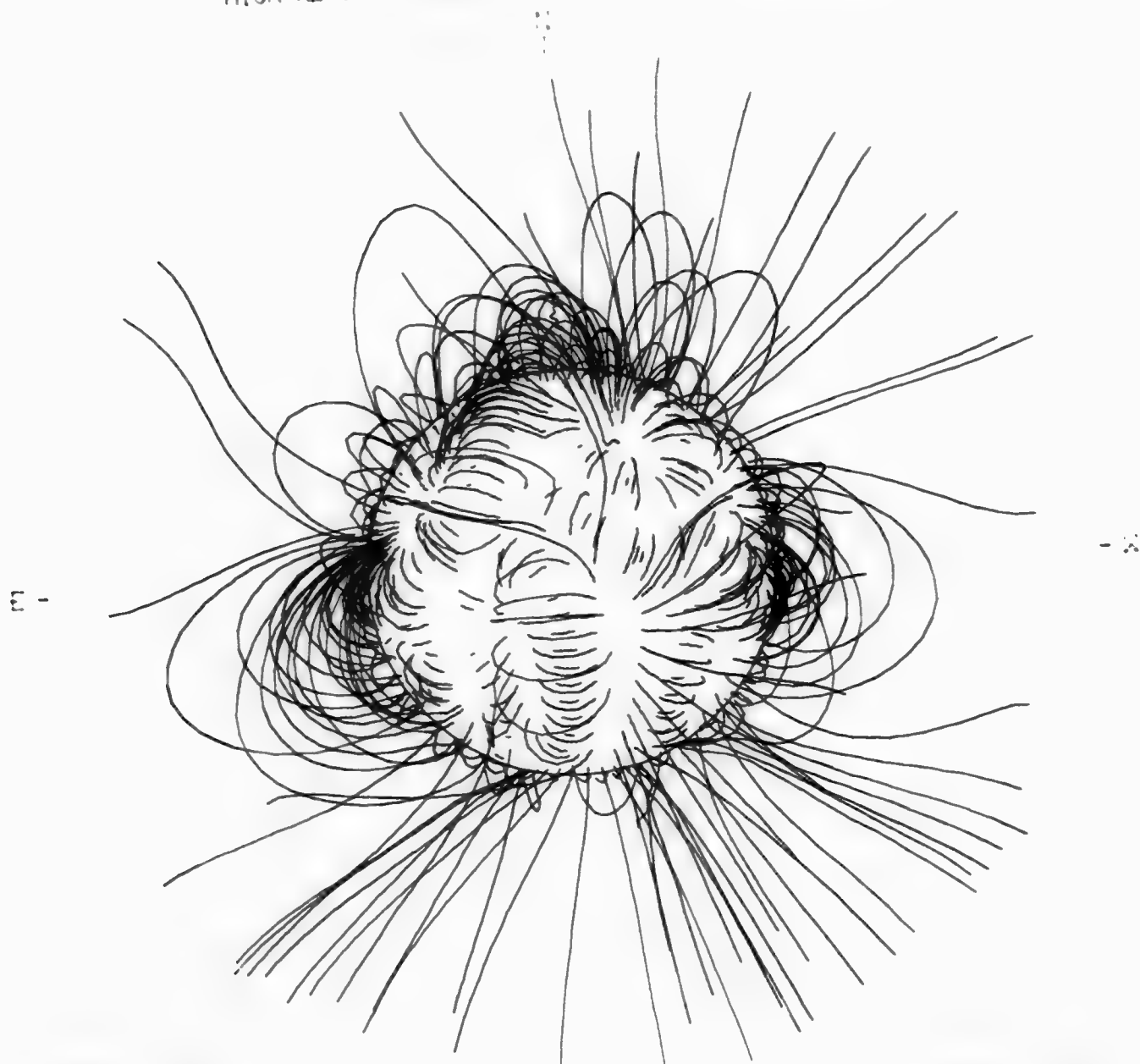
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 11.10.1967
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8.7.1963 11.10.1967
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
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8.7. '523 2.10. '52
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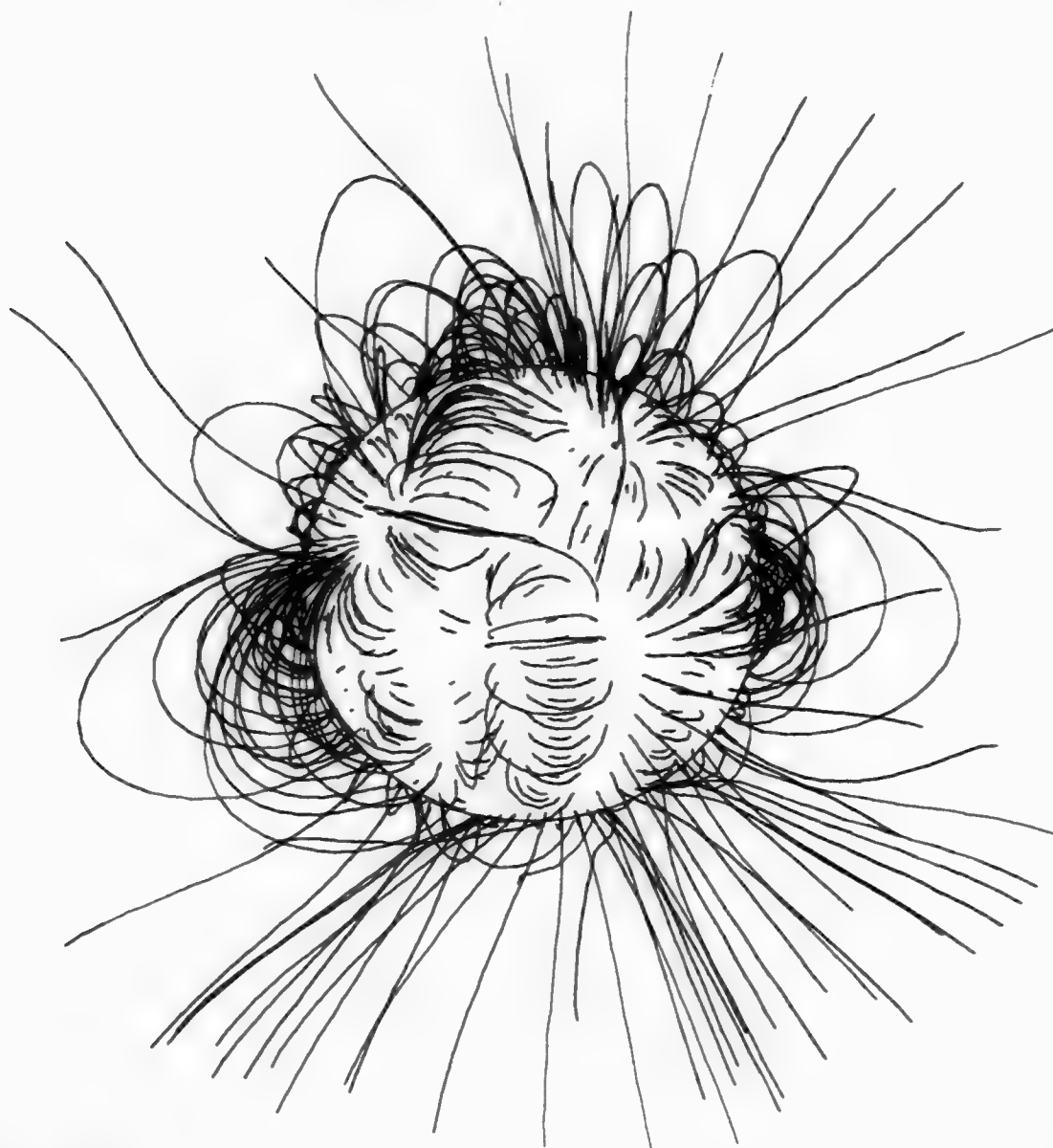


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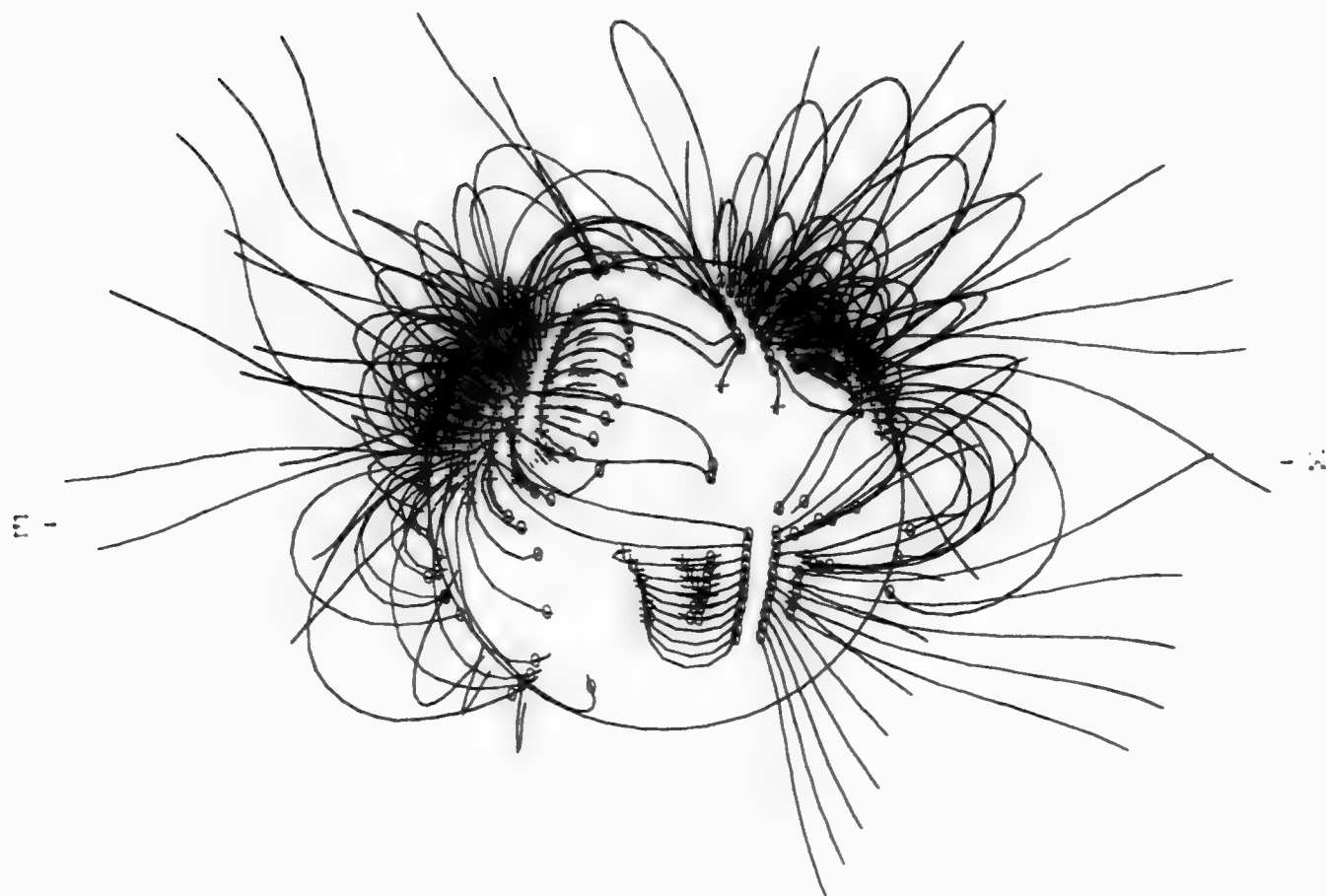
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

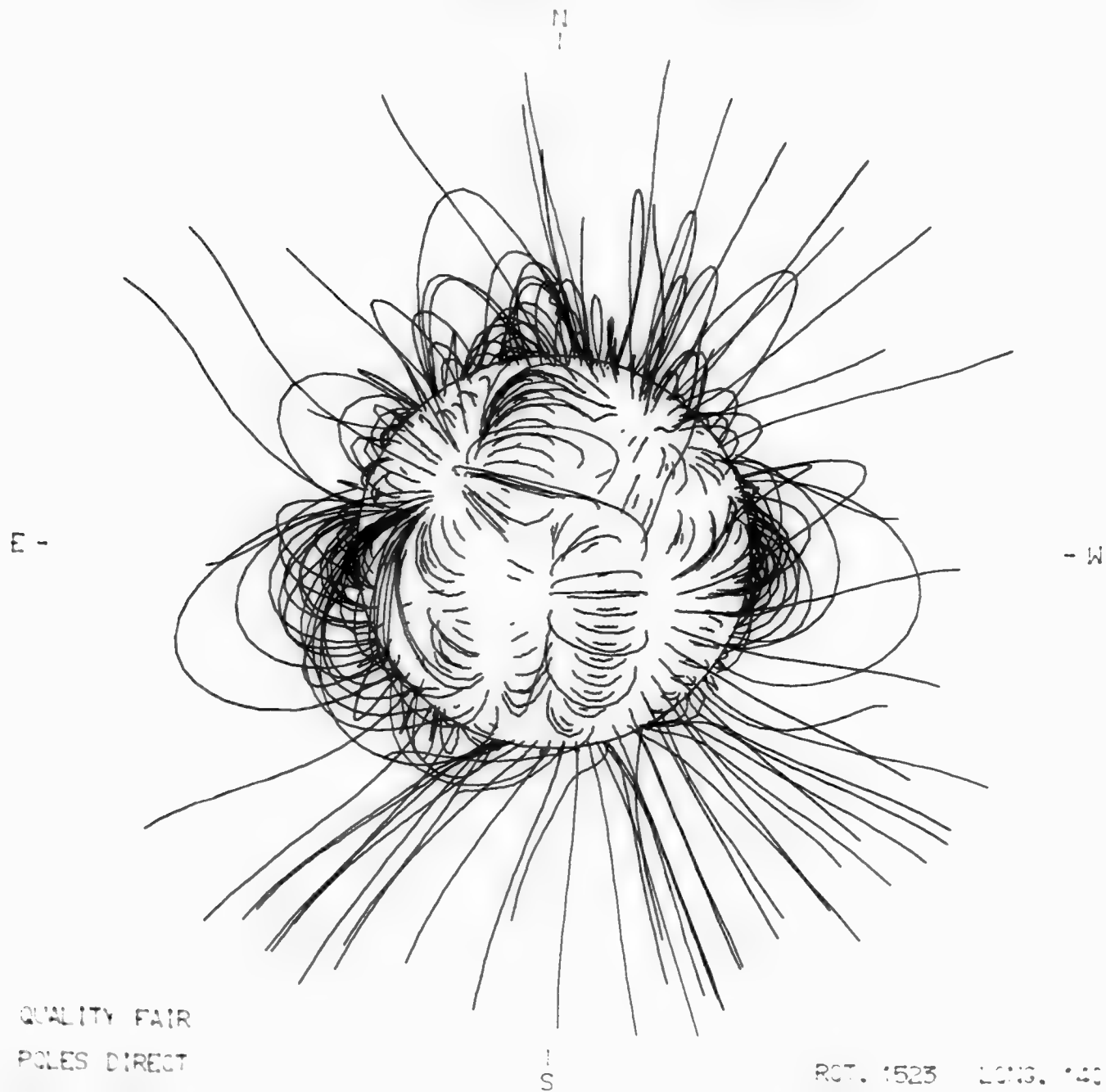
POLES DIRECT

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ROT. 1523 LONG. 150°
24.7 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

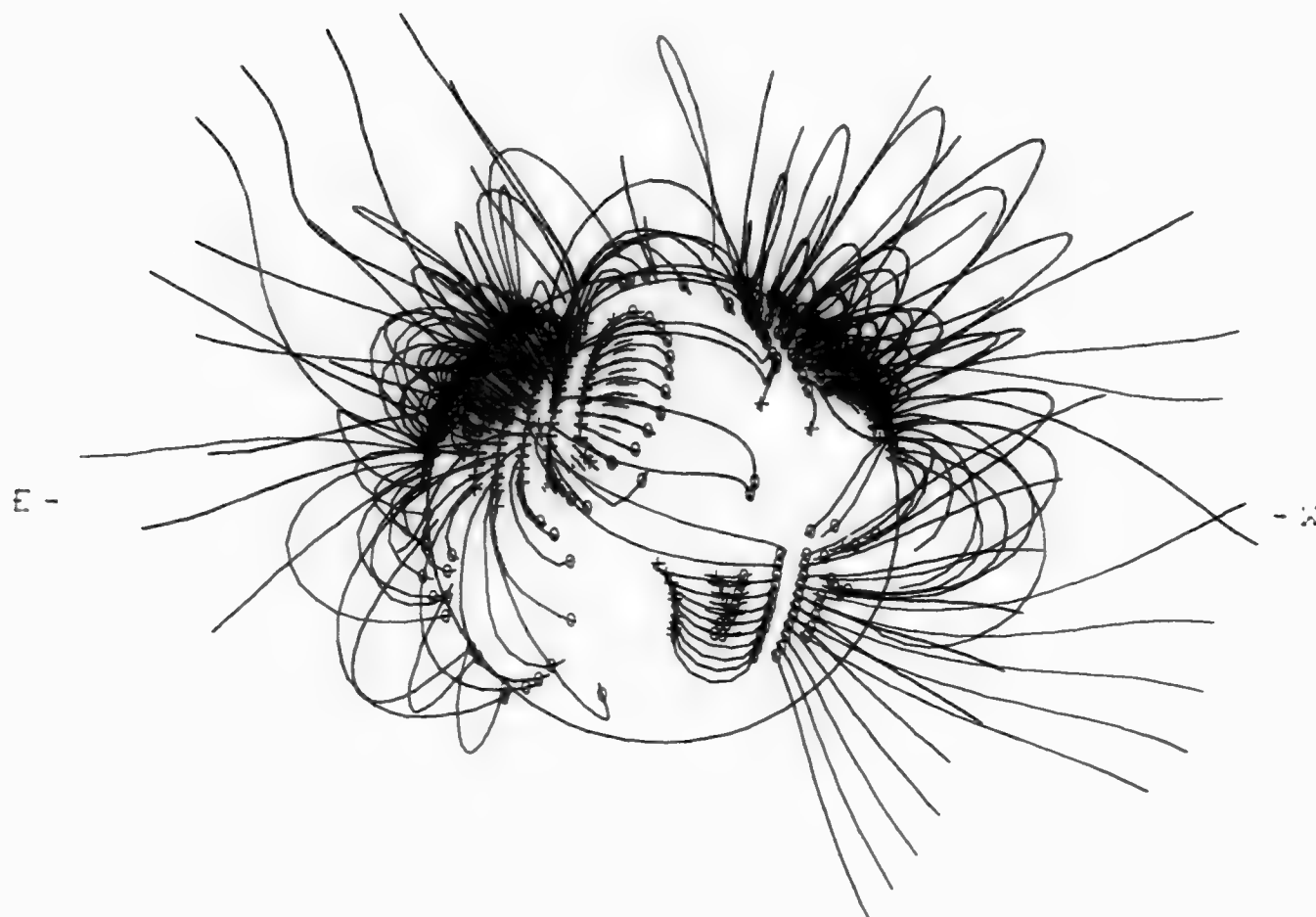
POLES DIRECT

DATA WINDOW 1523.00

ROT. 1523 LONG. 140°

25.5 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

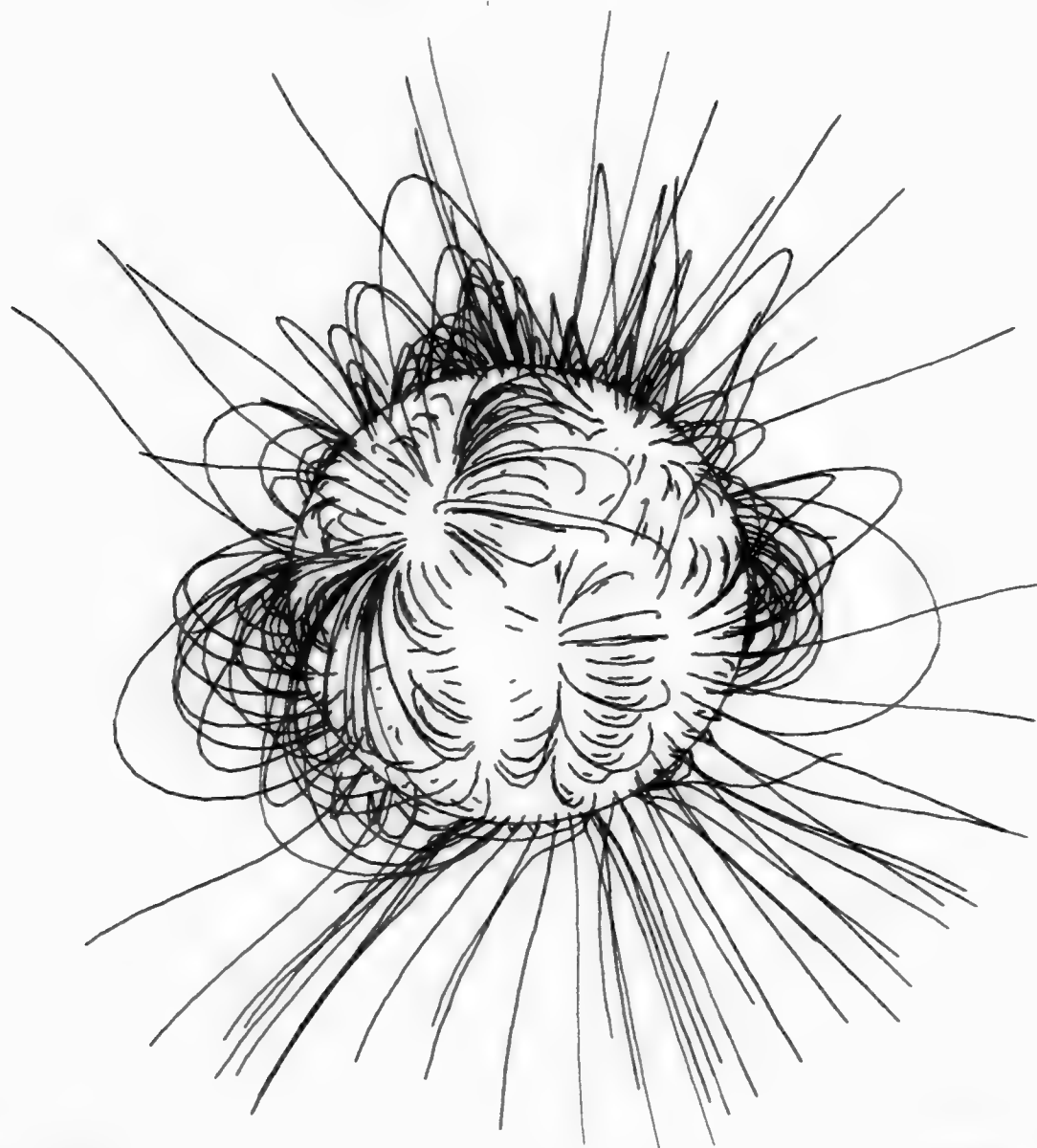
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25.5 JUL 1967

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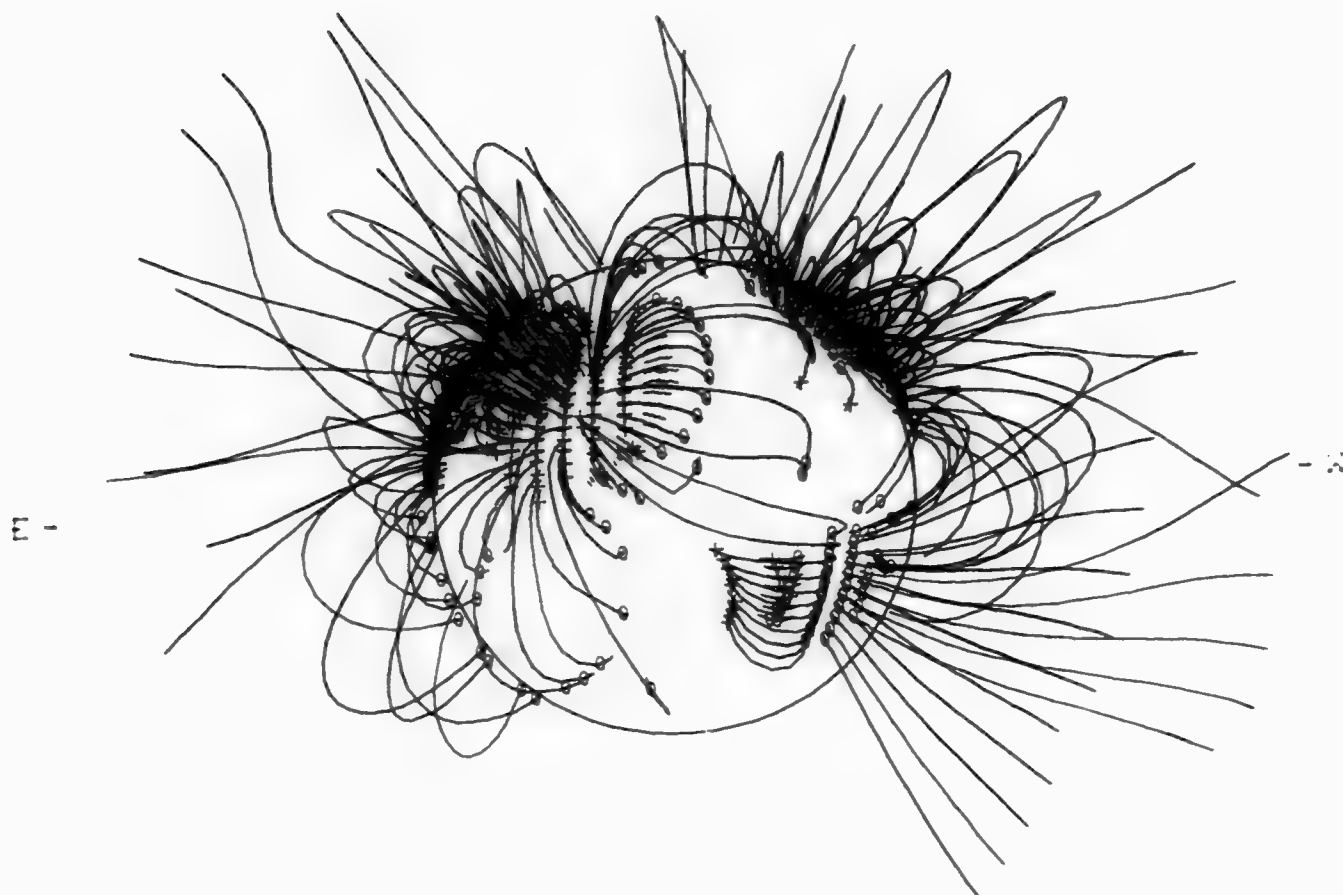


QUALITY FAIR
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R.T. 1523 1013.150°
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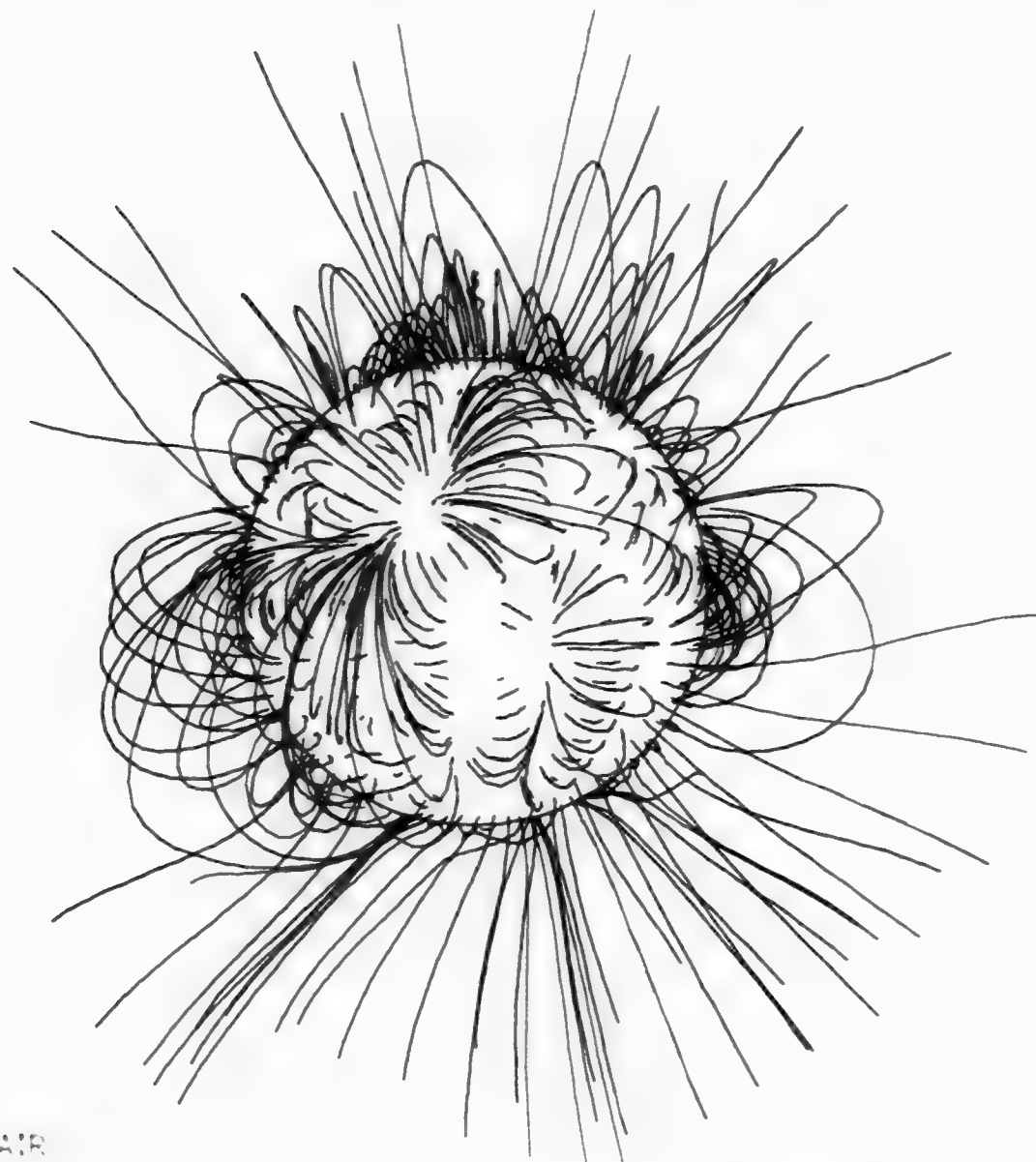


QUALITY FAIR
POLES DIRECT
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

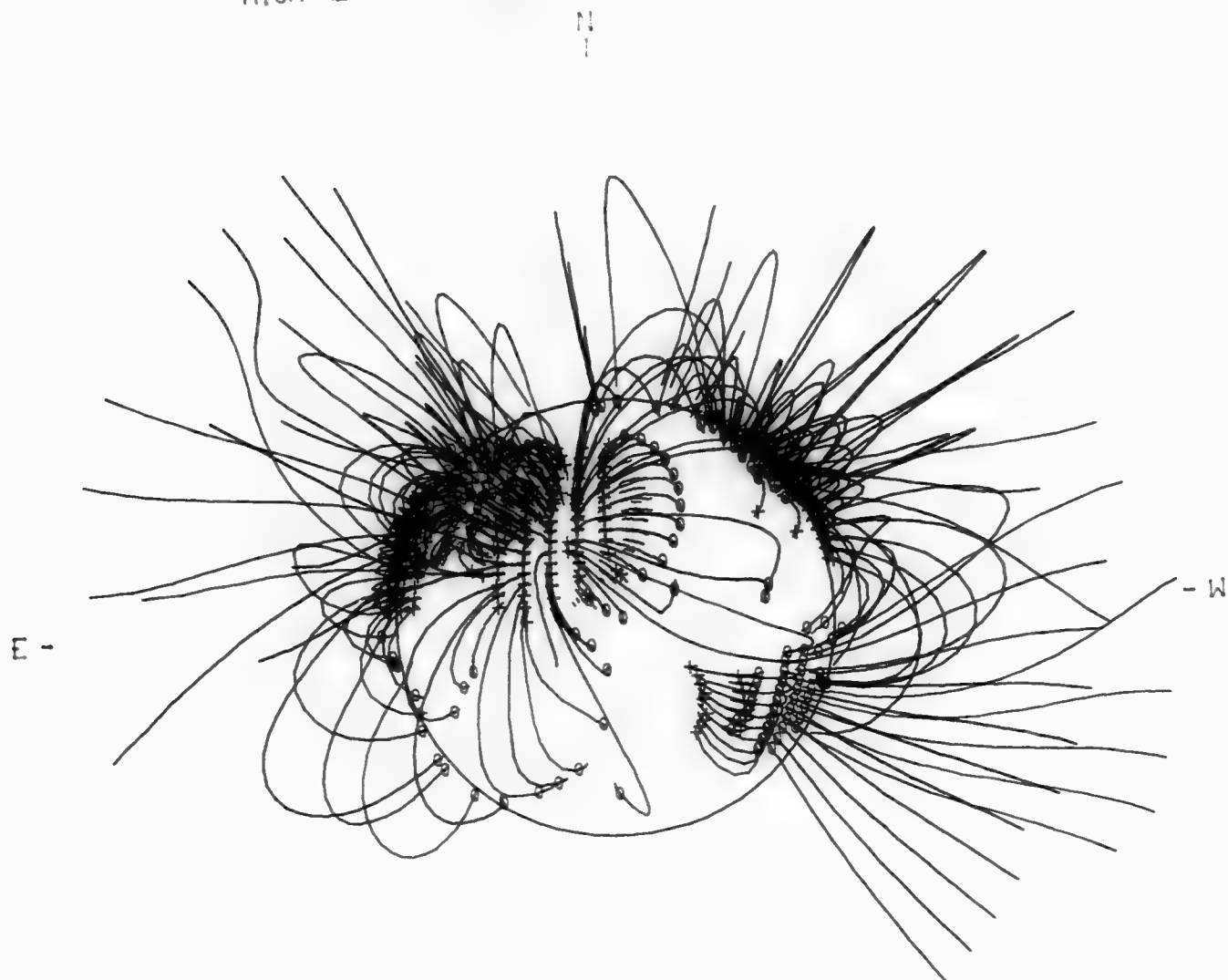
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RET. 1503 1503.00

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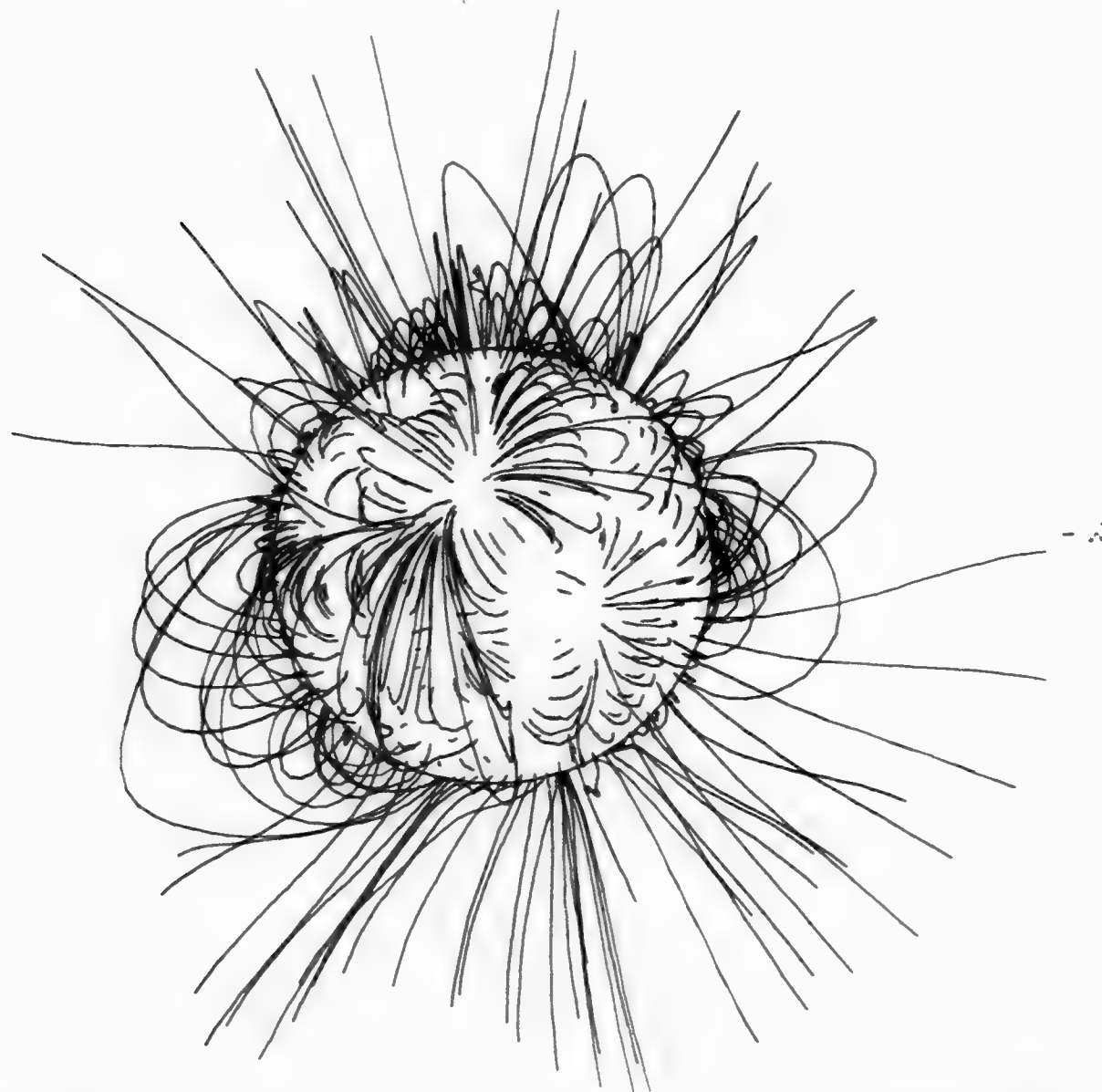


QUALITY FAIR
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ROT. 1523 LONG. 120°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

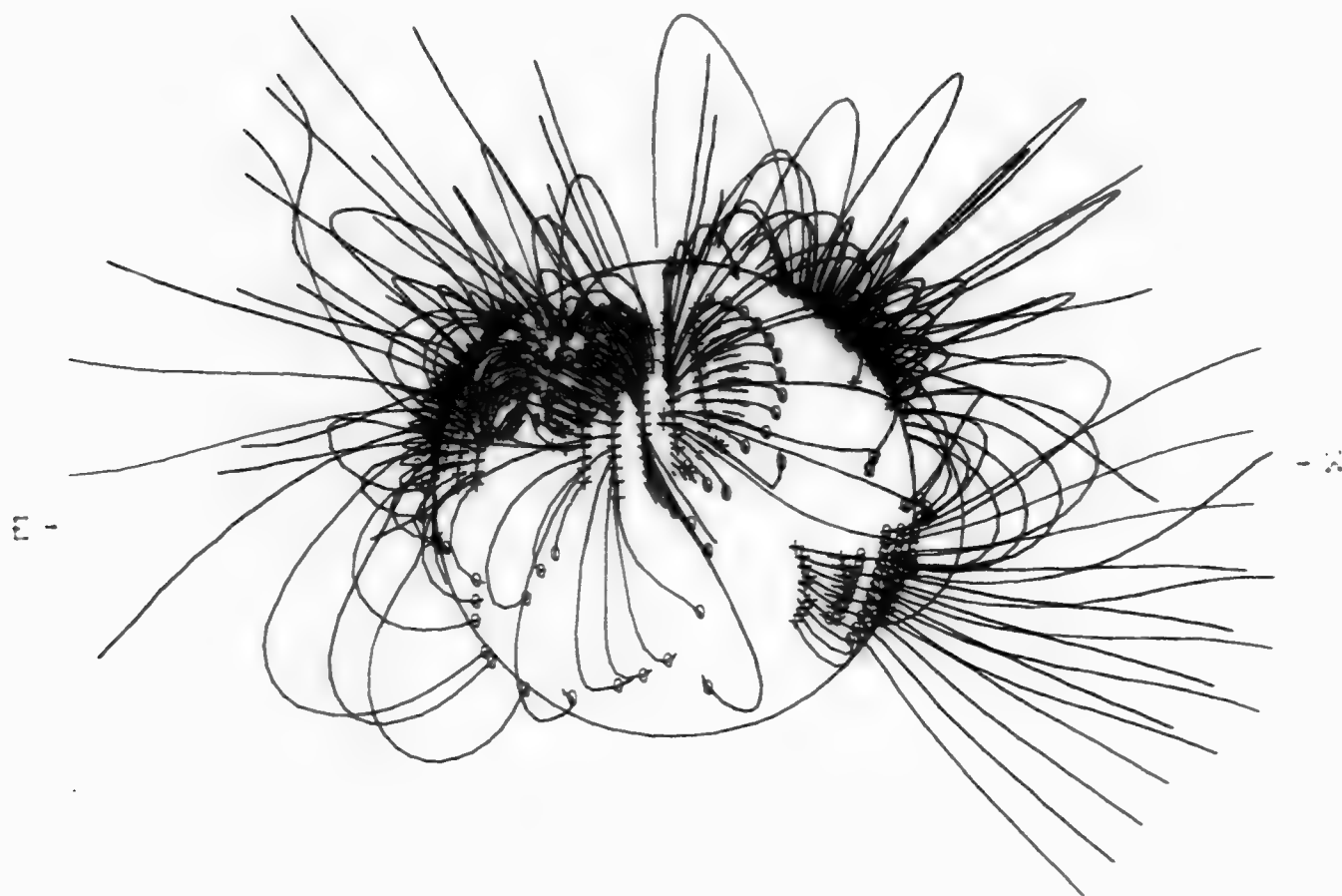


QUALITY FAIR
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R.T. 1503 210.110°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



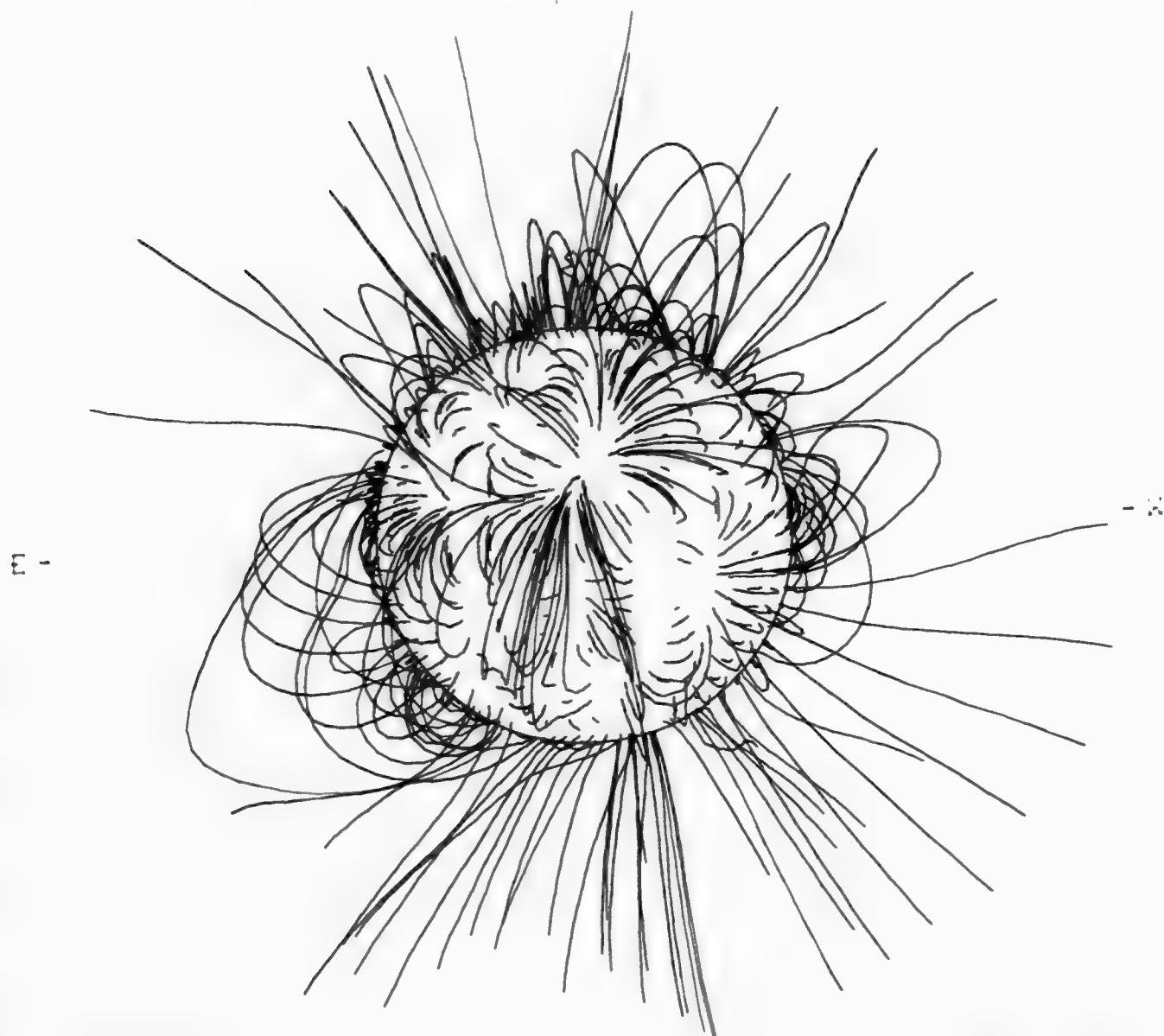
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

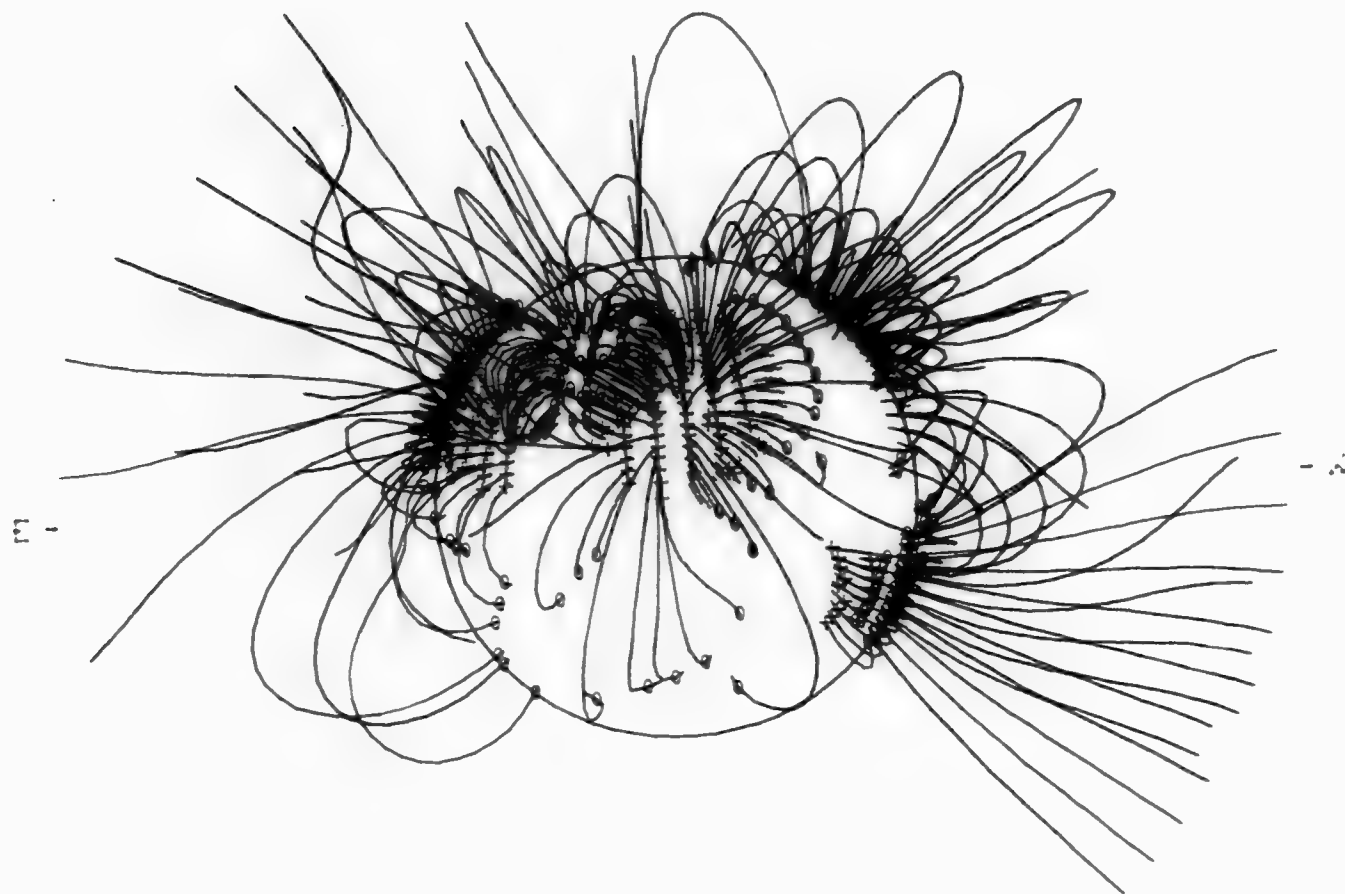


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1523.00

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ROT. 1523 LONG. 100°
 28.5 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

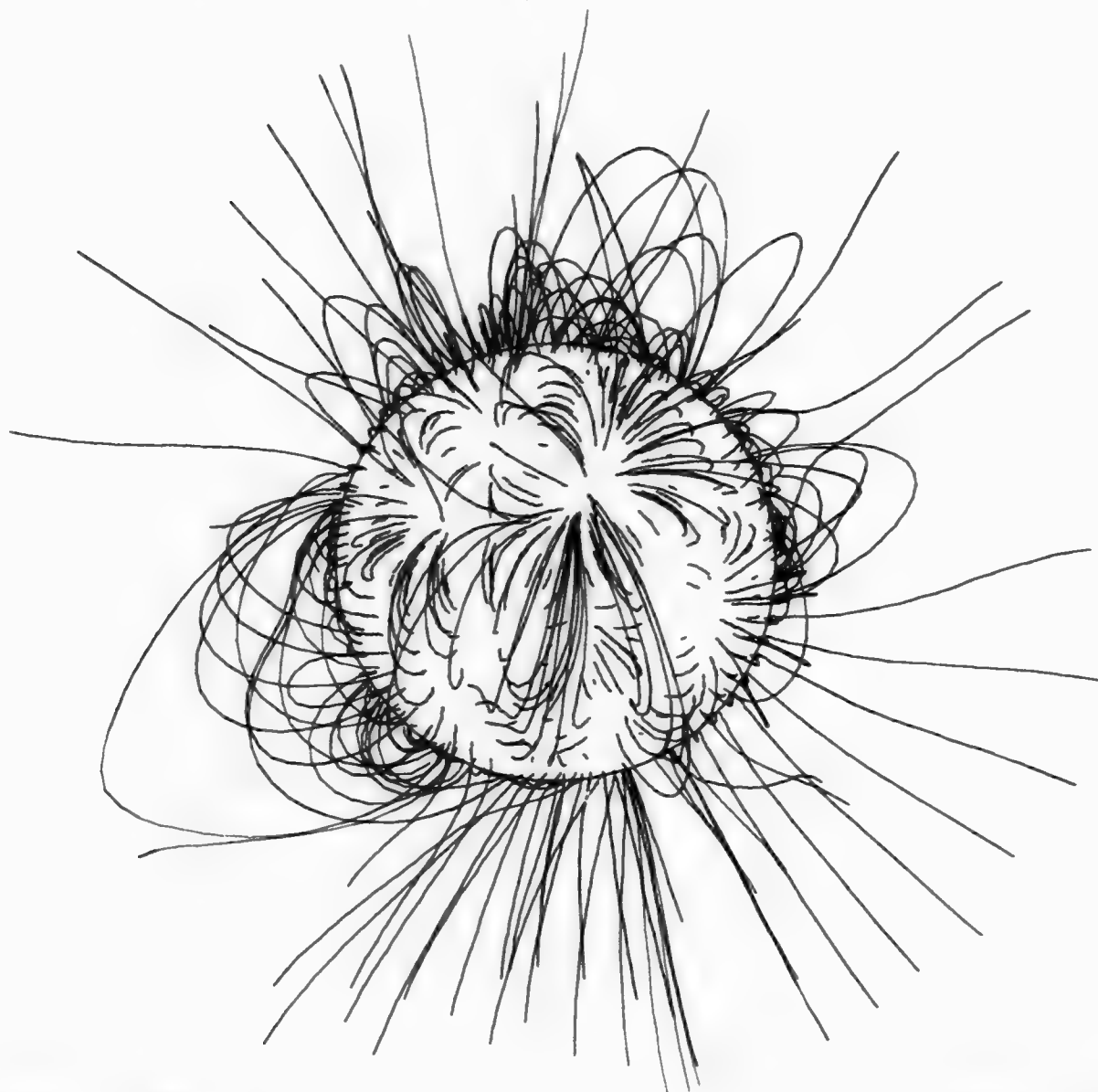


QUALITY FAIR
 PAGES 11/11
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2.7. '523 2.13. '01
 28.5 11 1.67

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



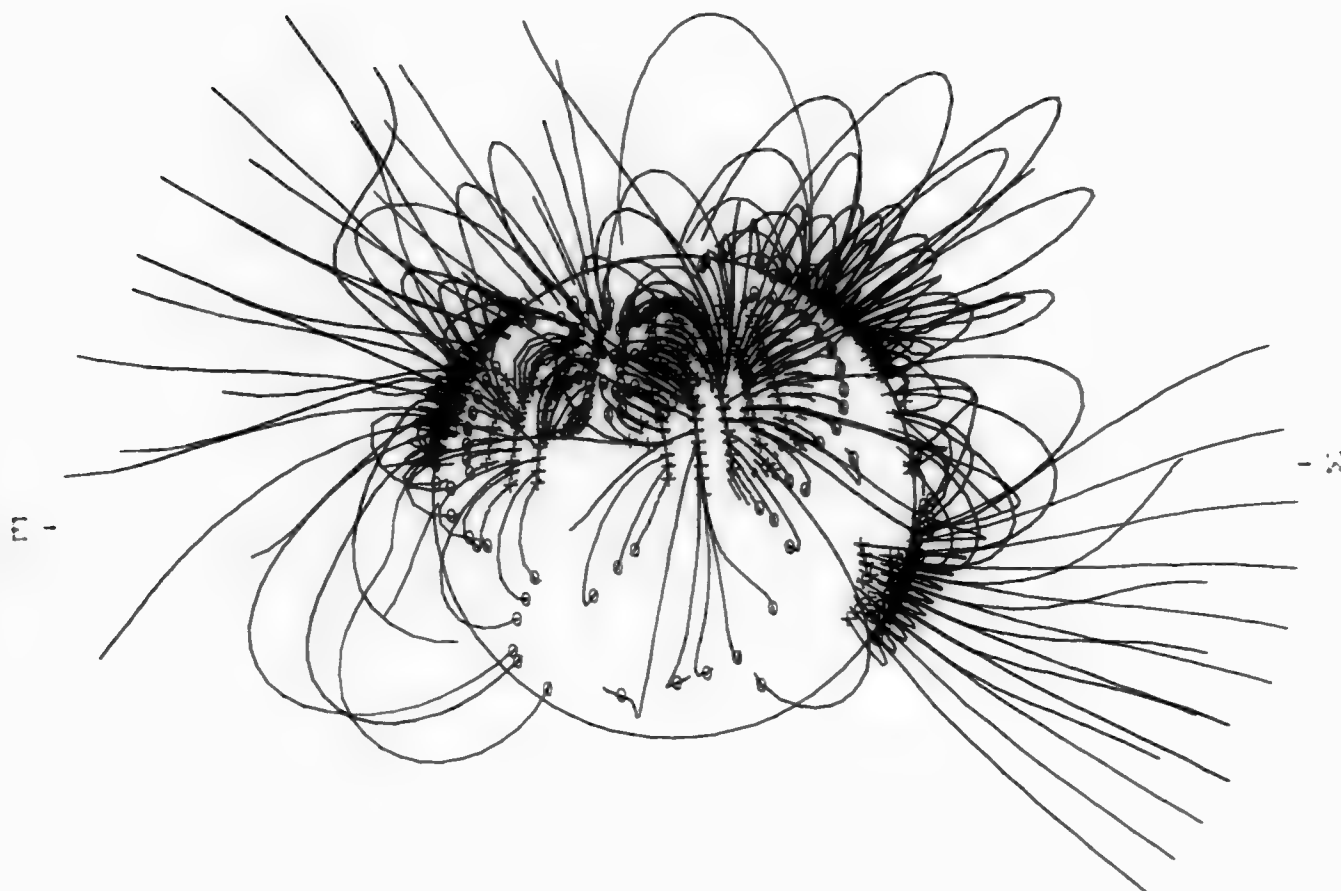
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QUALITY FAIR
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8.7. '523 1.10. 41°
 29.3 11. '557

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

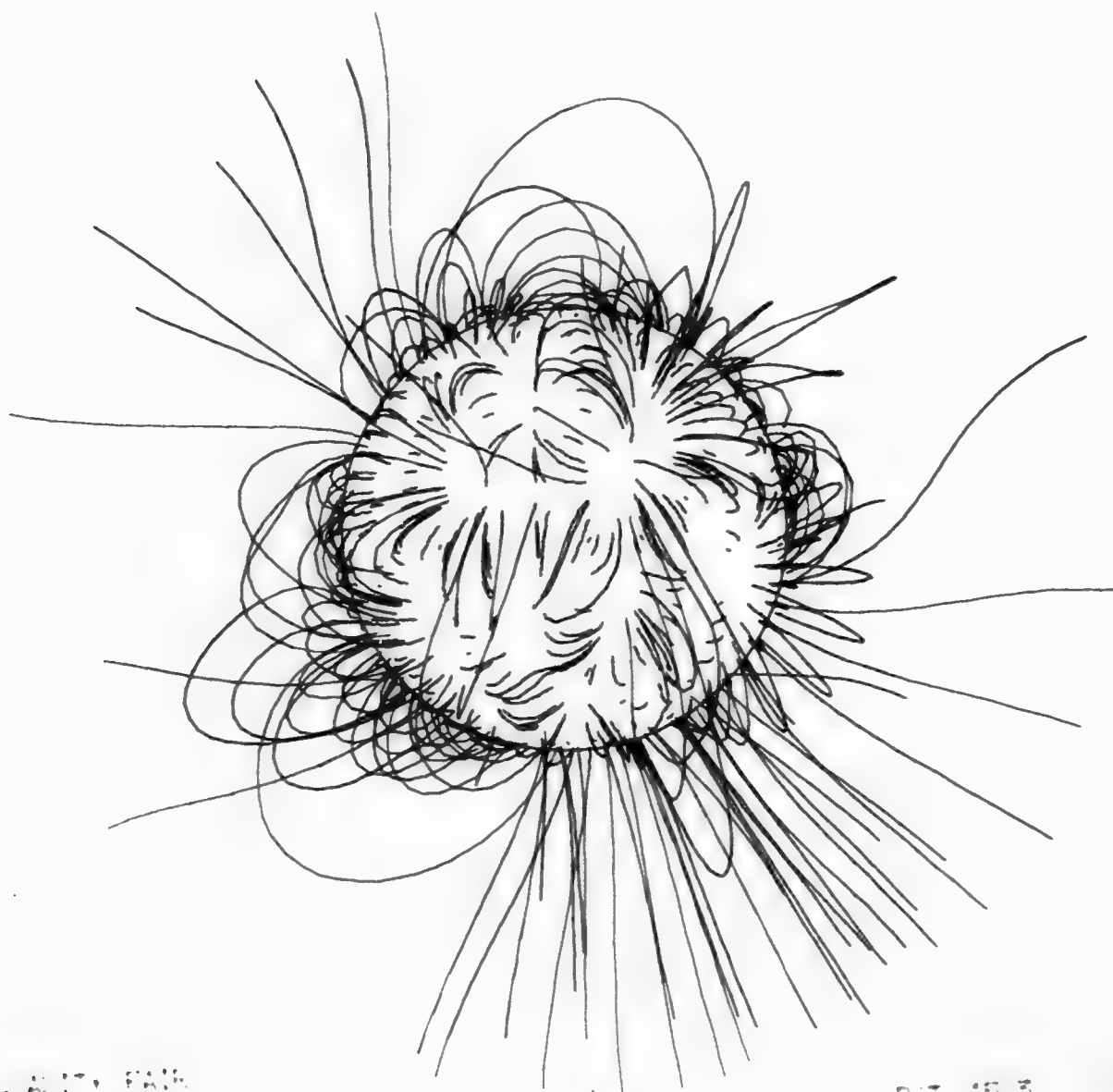


QUALITY FAIR
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RC7. 1523 1713. 40°
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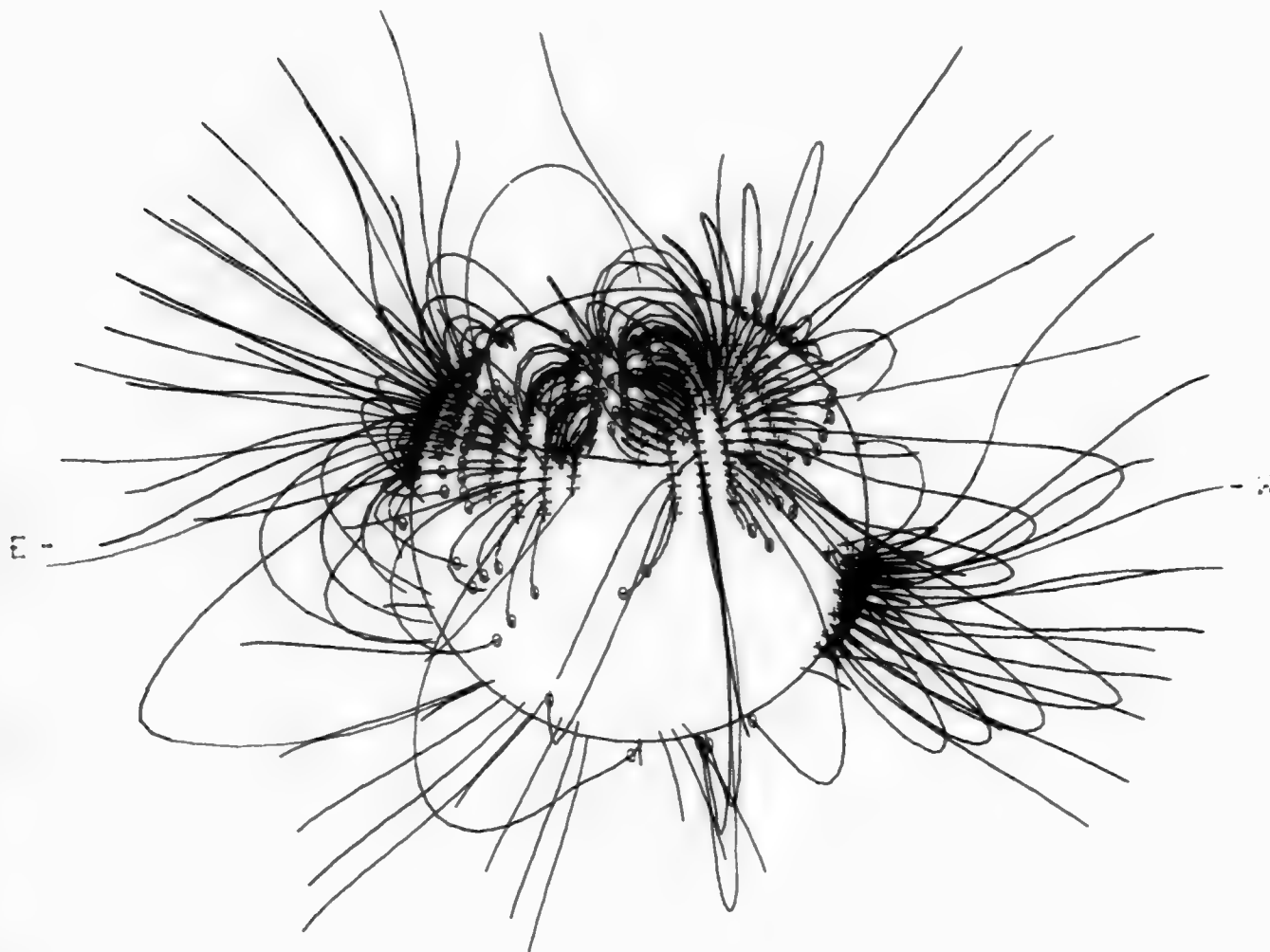
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, PAIR
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ROT. 1503 100. 40°
30.0 101 100°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

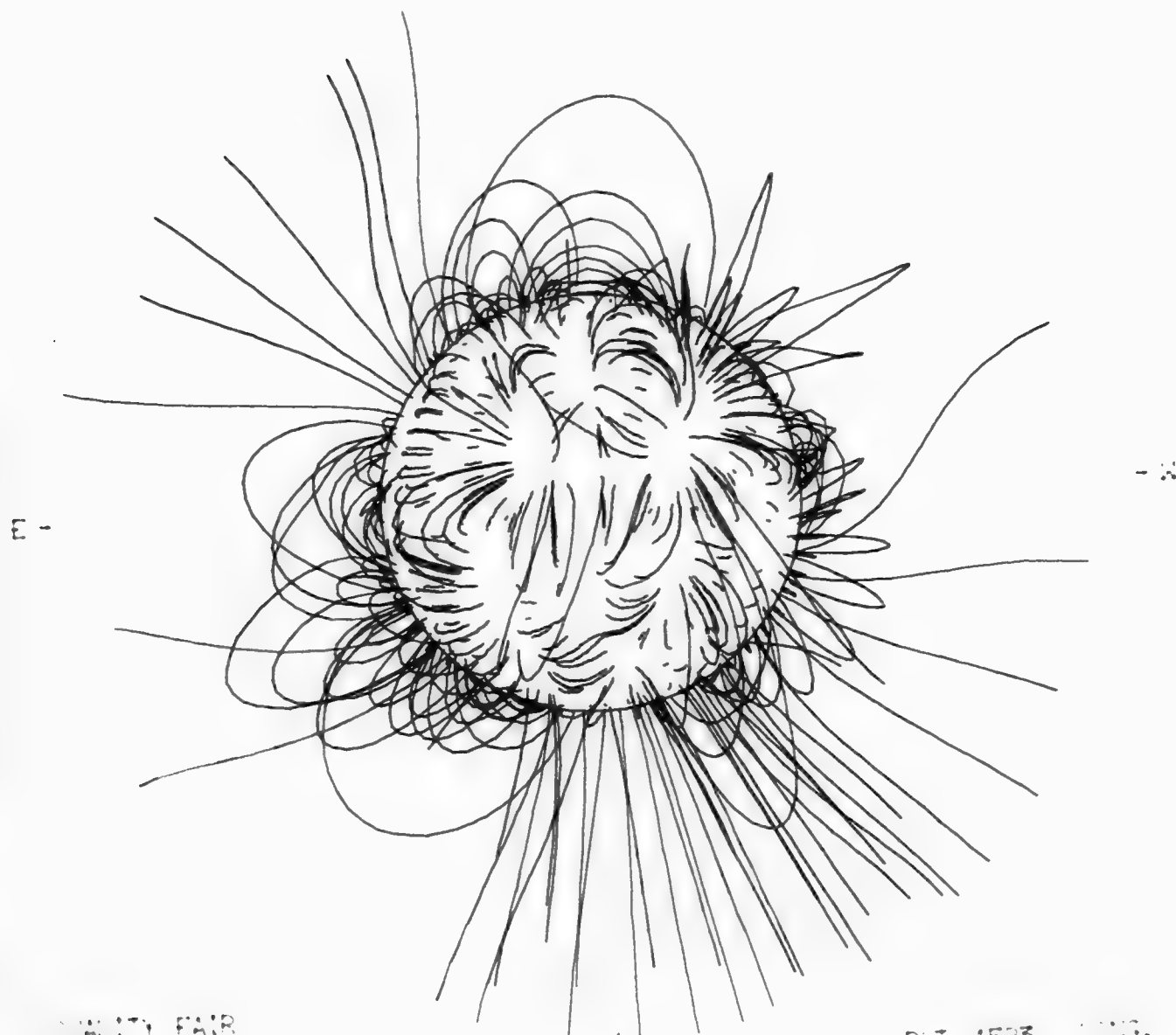
FILES DIRECT

DATA APPROX 1523.47

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PGT. 1523 LONG. 61°
30.0 JUL 1967

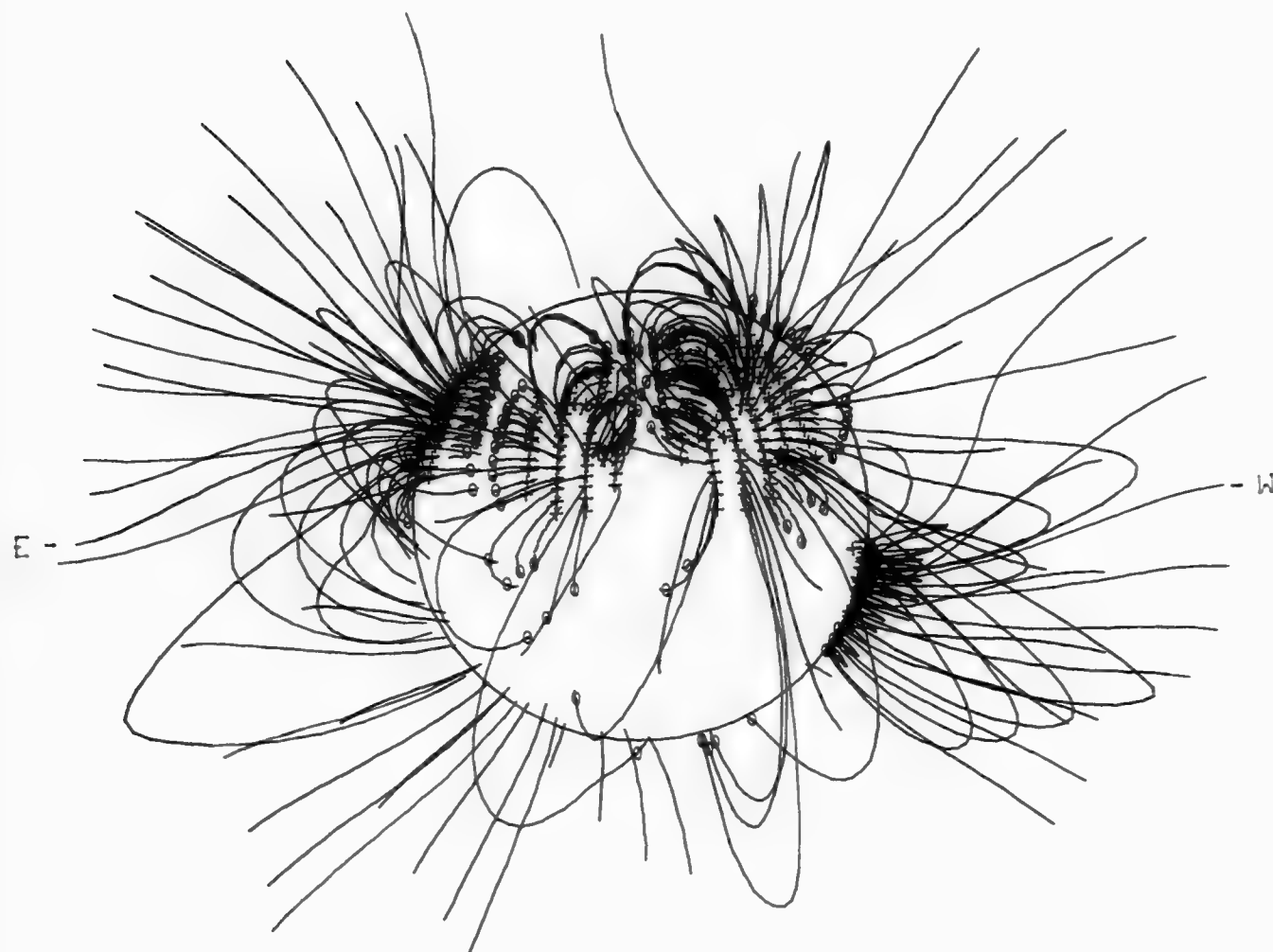
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21. 523 213. 7
 30. 11 107

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

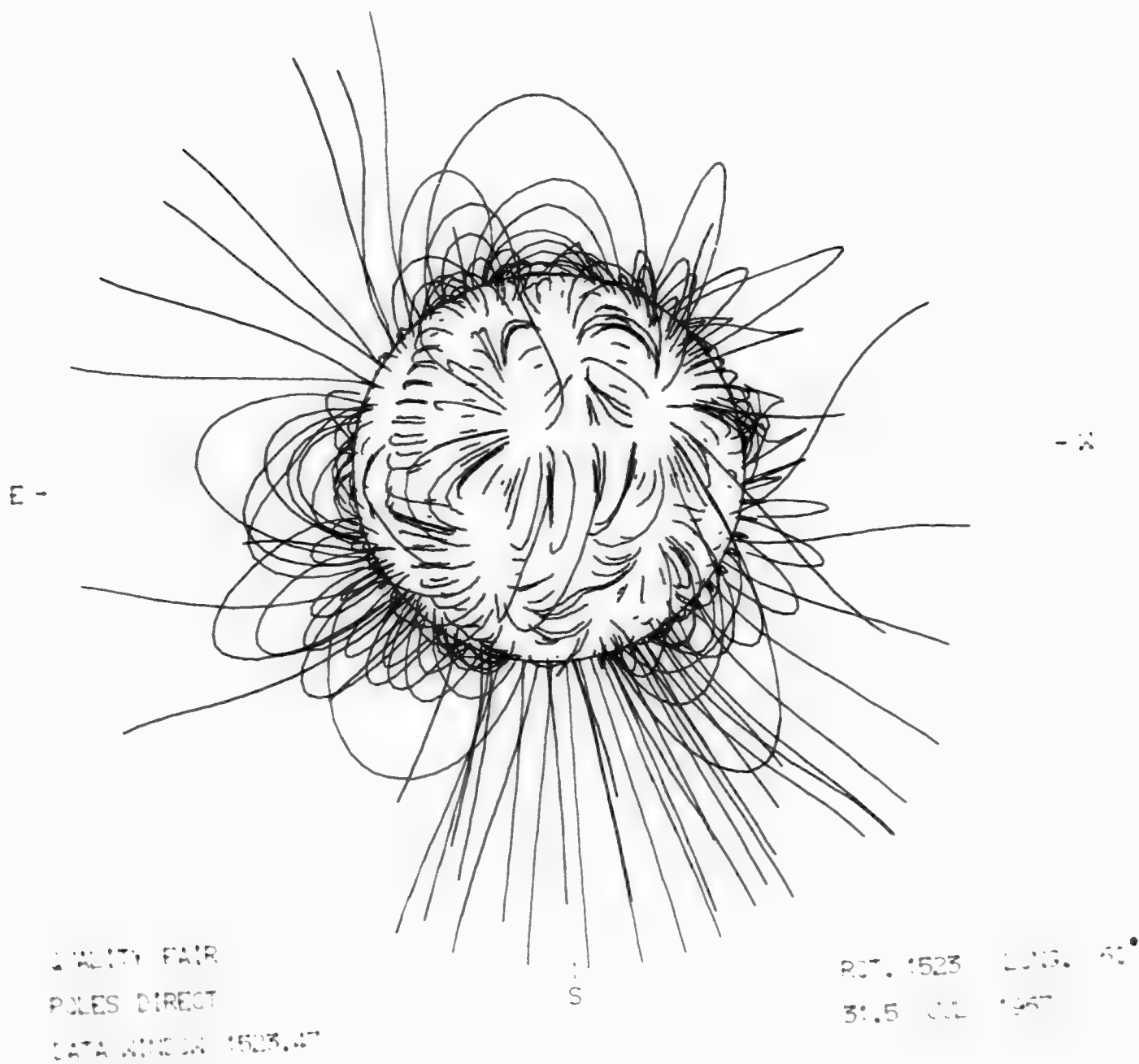
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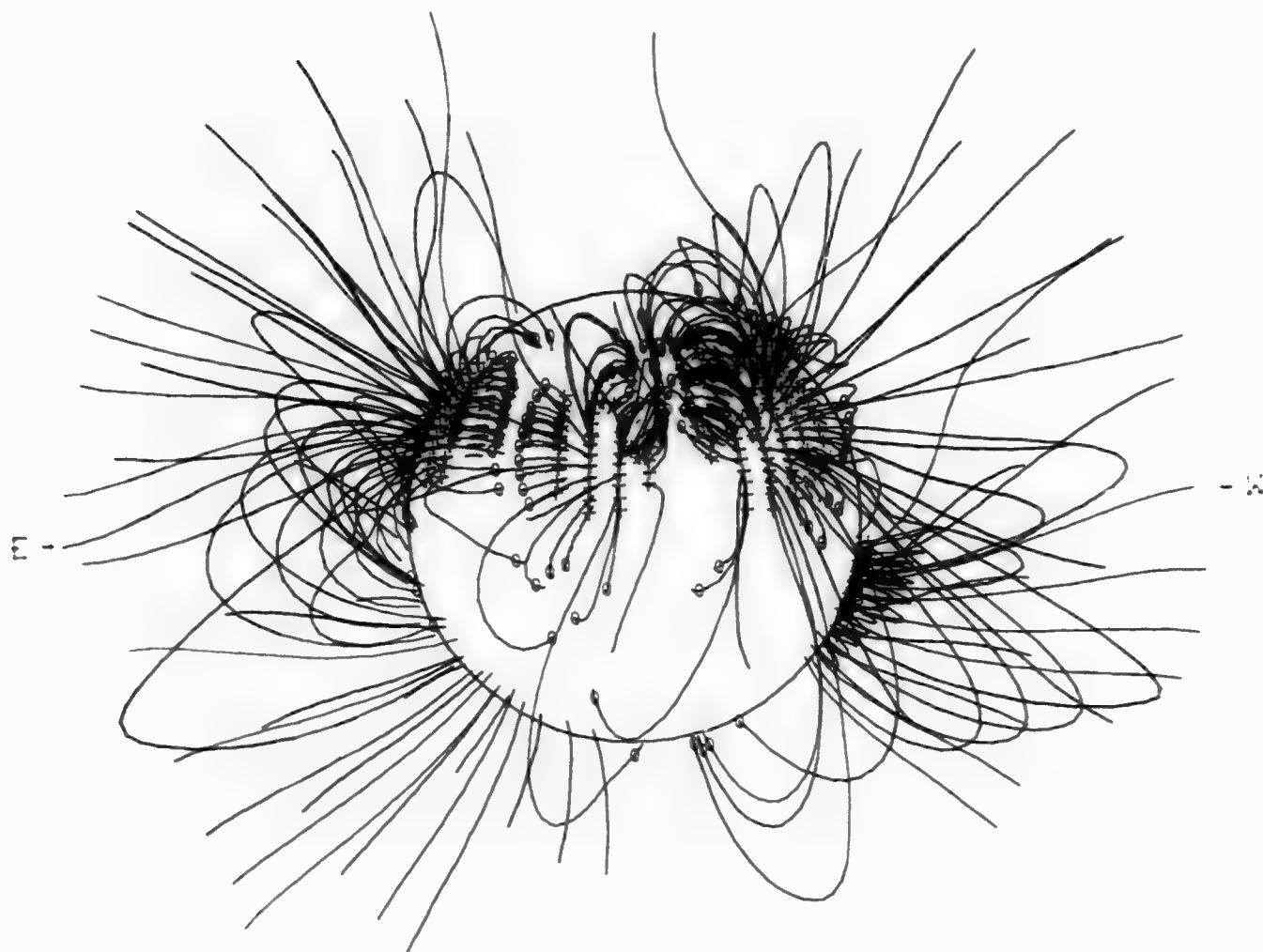
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ROT. 1523 LONG. 70°
30.7 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

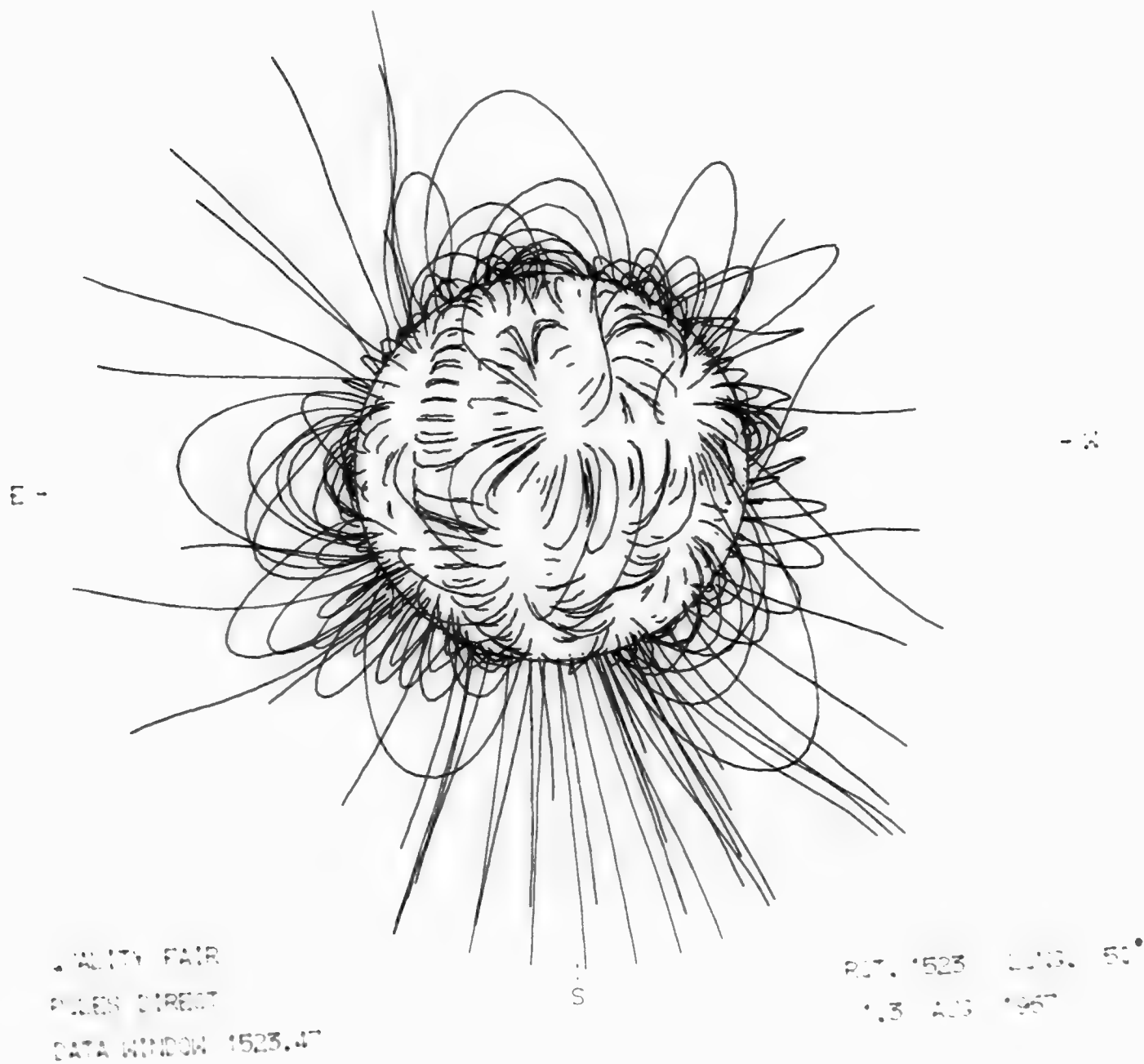


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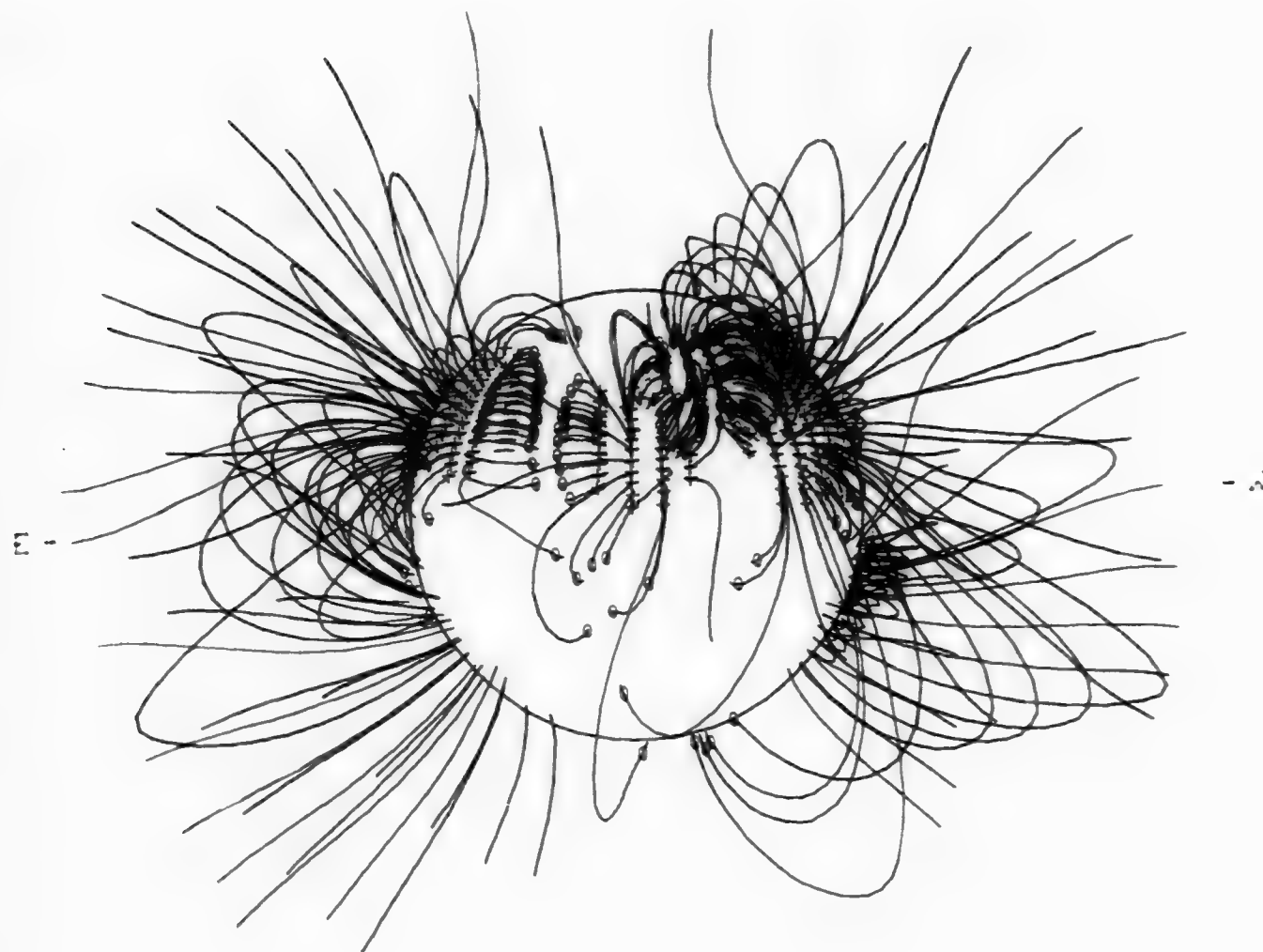
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31.5 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA AREA IN 1503.47

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RUT. 1503 2013. 50°
1.3 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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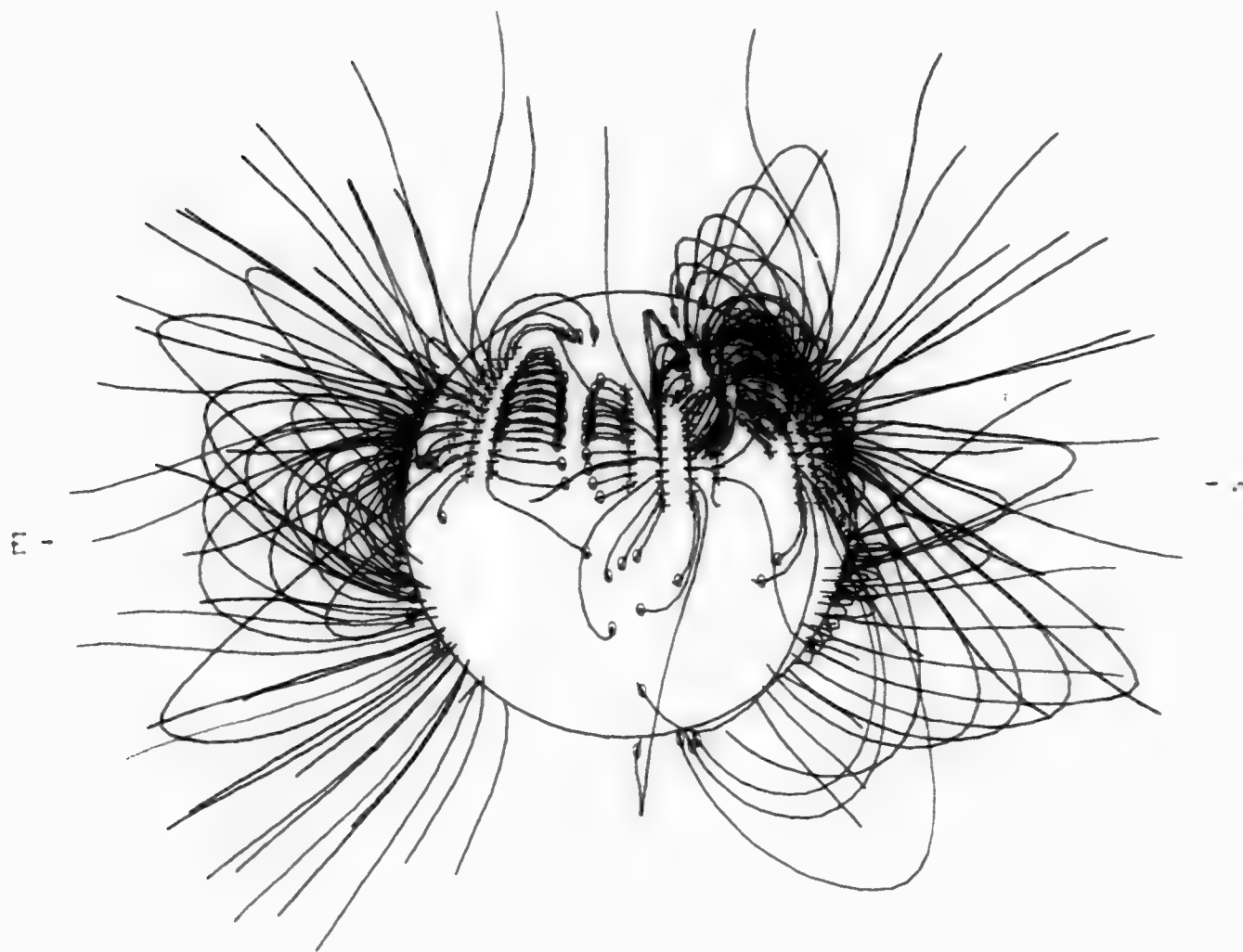
- W

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QUALITY FAIR
POLES DIRECT
DATA WINDOW 1523.47

ROT. 1523 LONG. 40°
2.0 AUG 1967

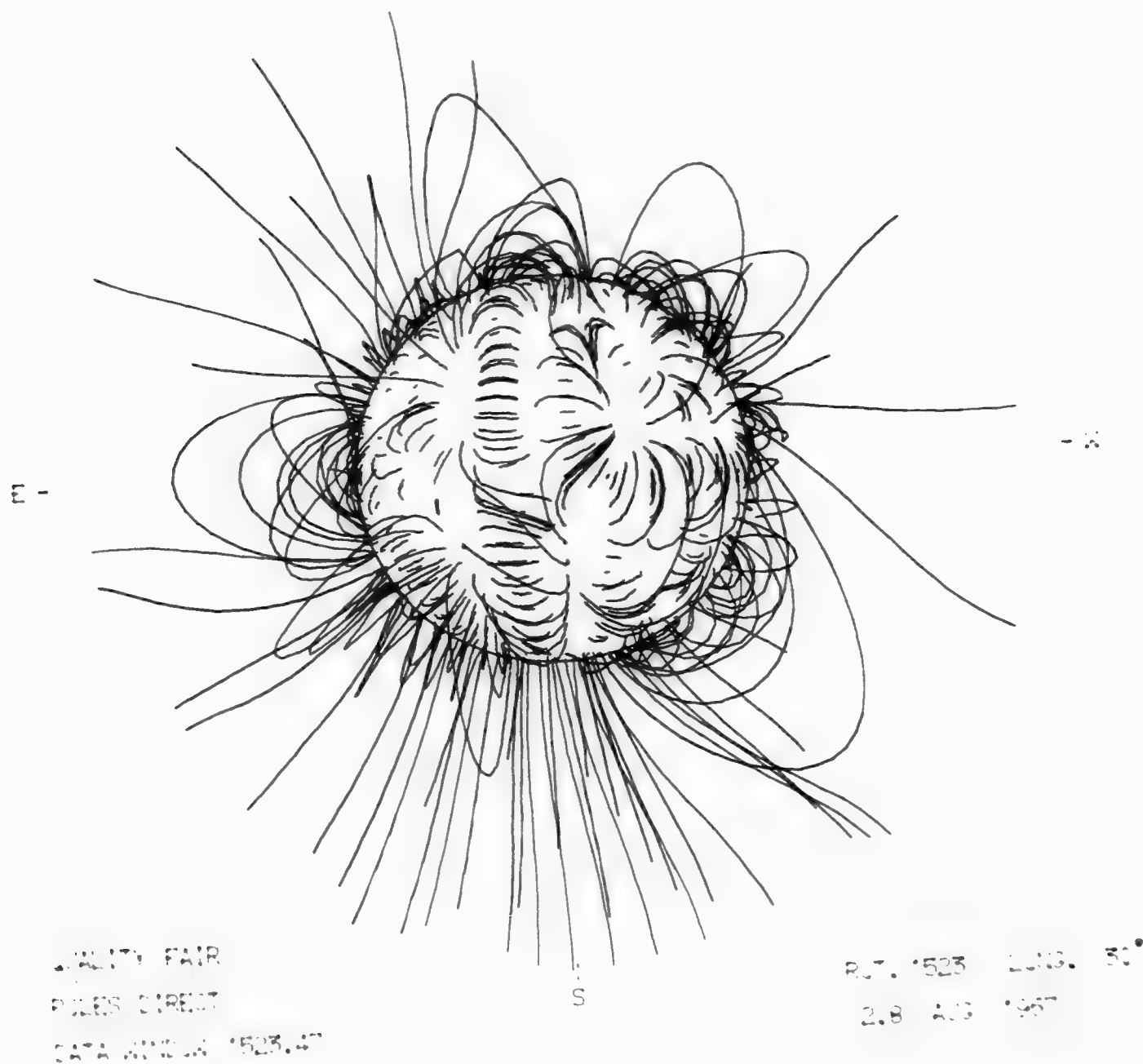
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



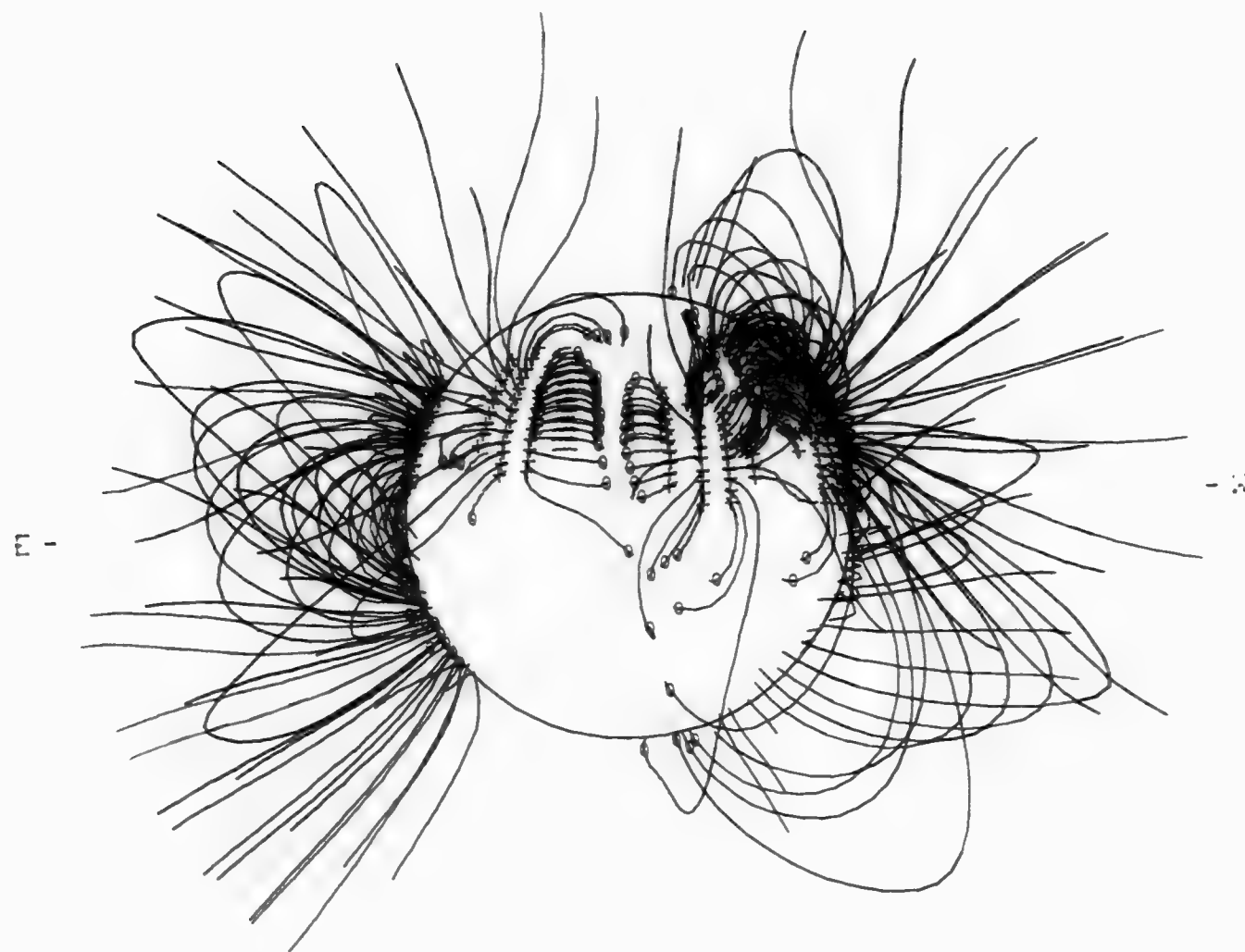
QUALITY FAIR
 FULLY DIRECT
 DATA WINDOW 1523.47

507.1523 100. 41°
 2.0 1.0 1.07

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

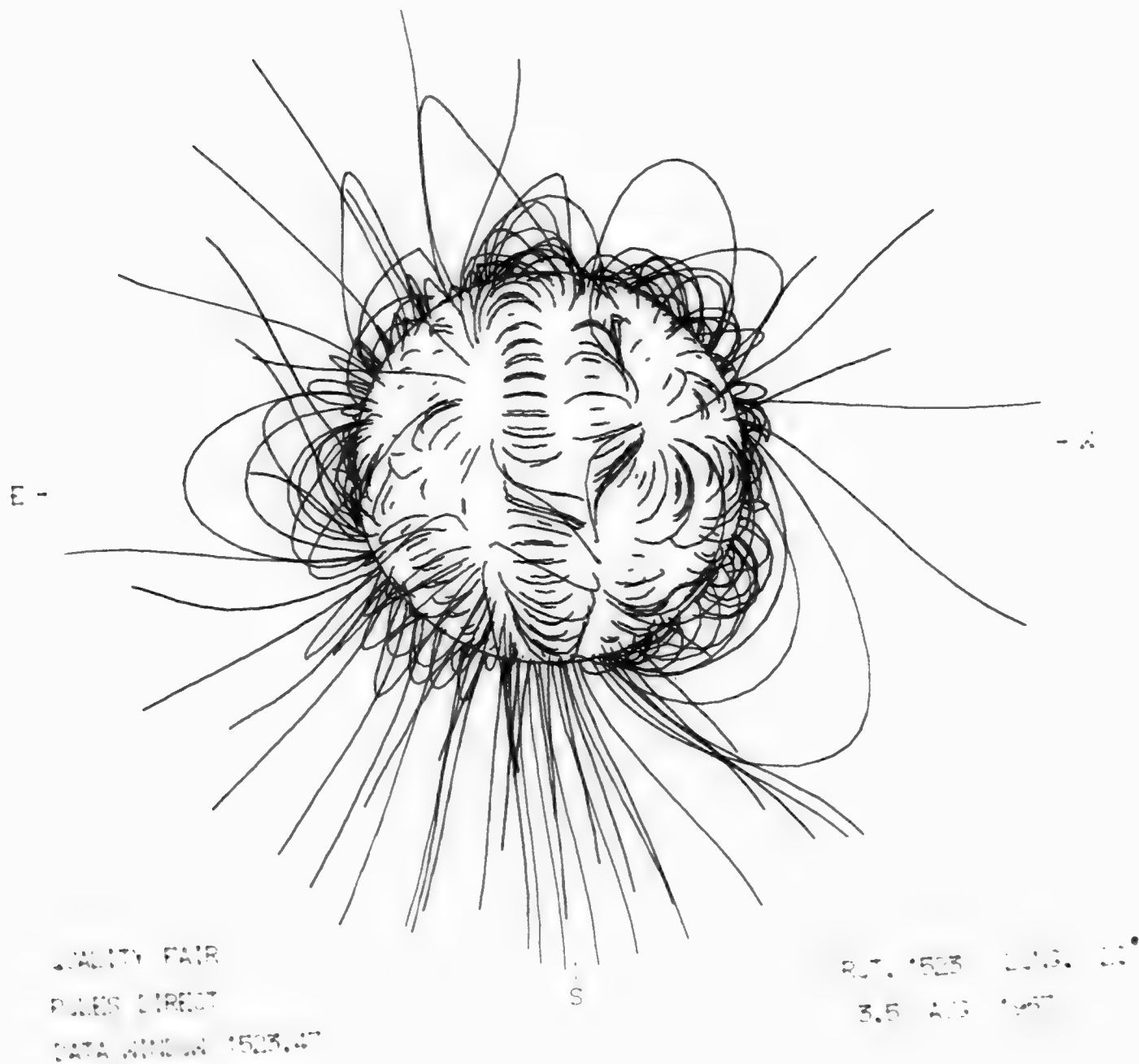


QUALITY FAIR
POLES DIRECT
DATA AREA 1503.47

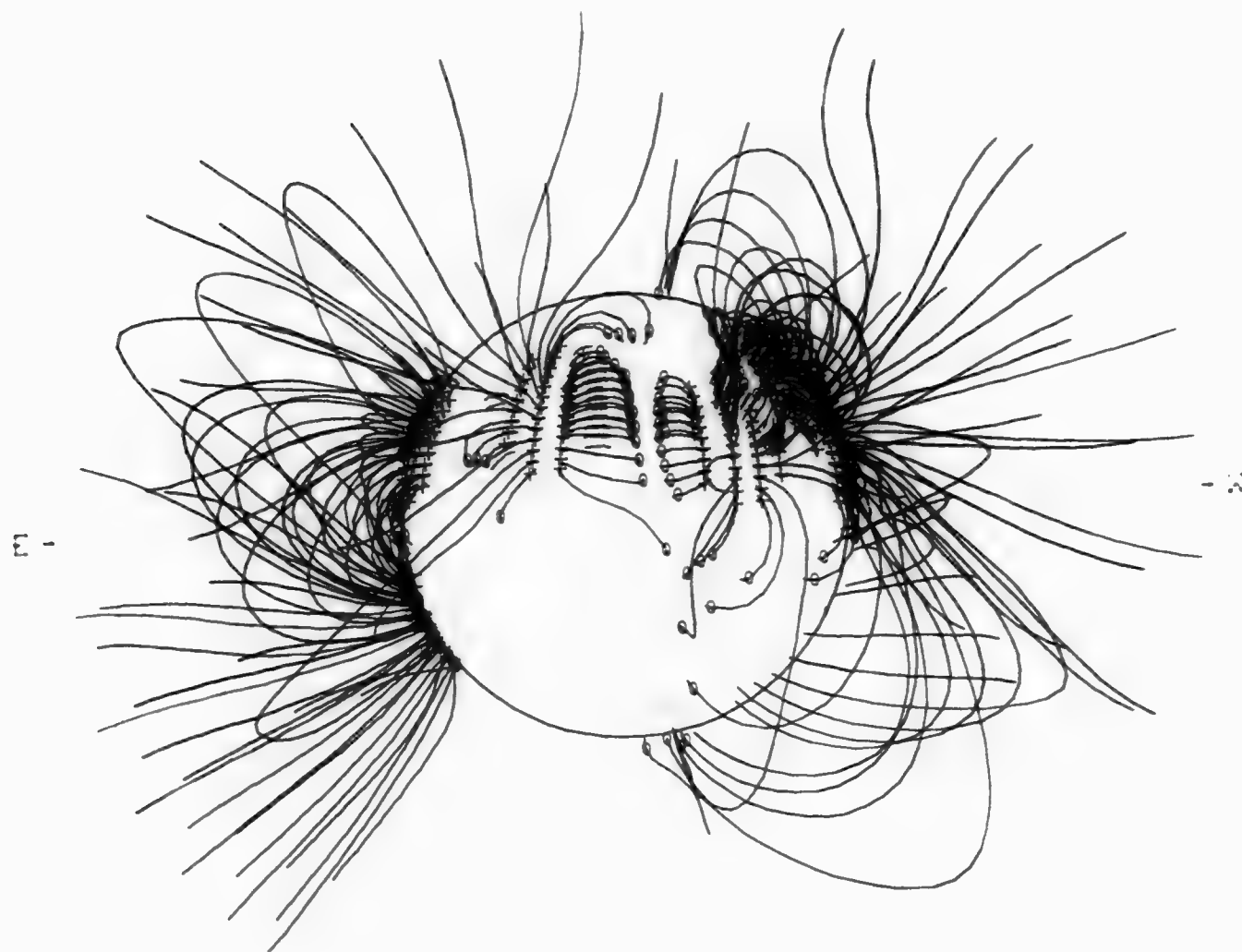
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R.T. 1523 LING. 31°
2.8 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

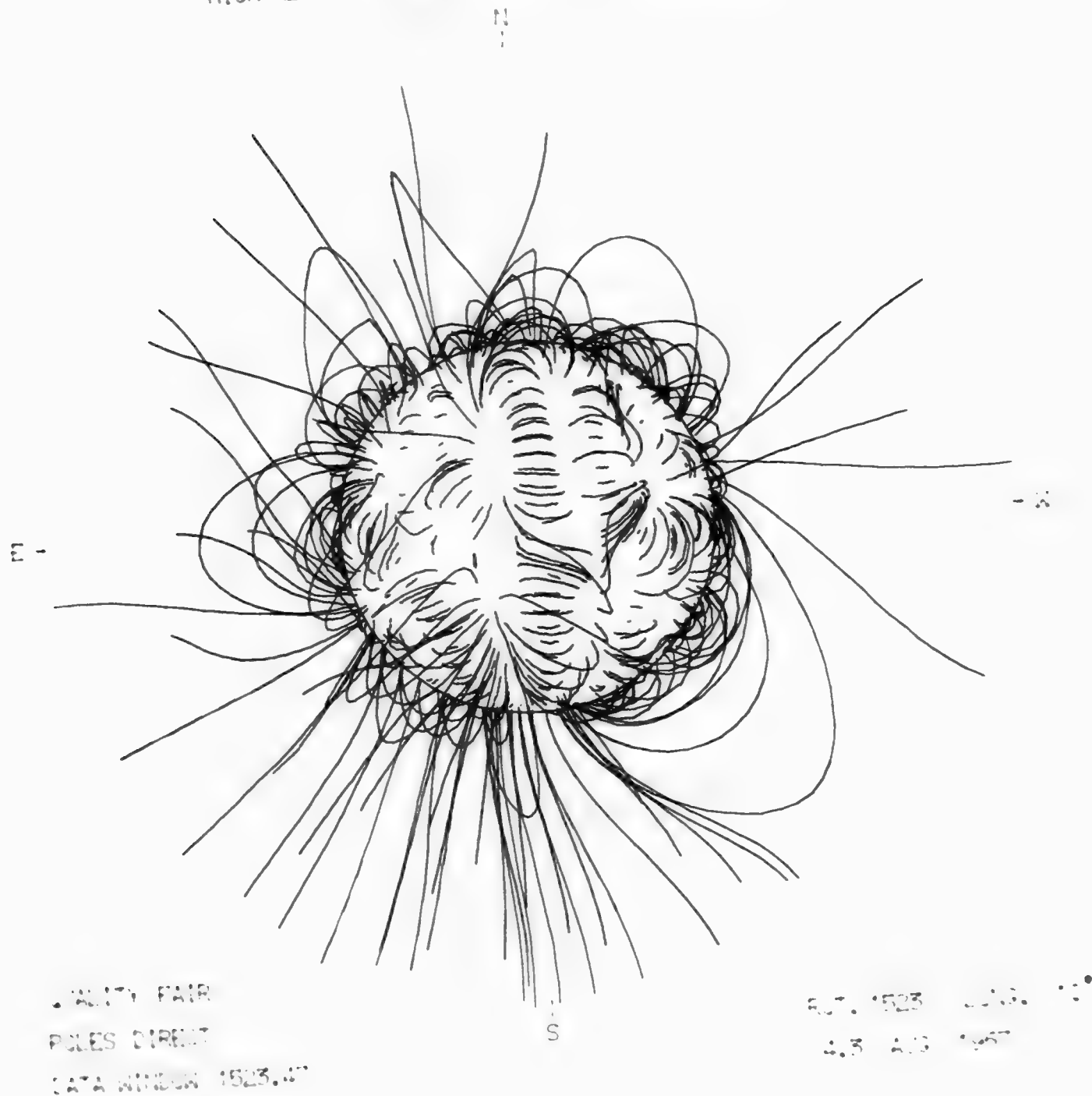


QUALITY FAIR
 RULES DIRECT
 DATA AVAILABLE 1983.07

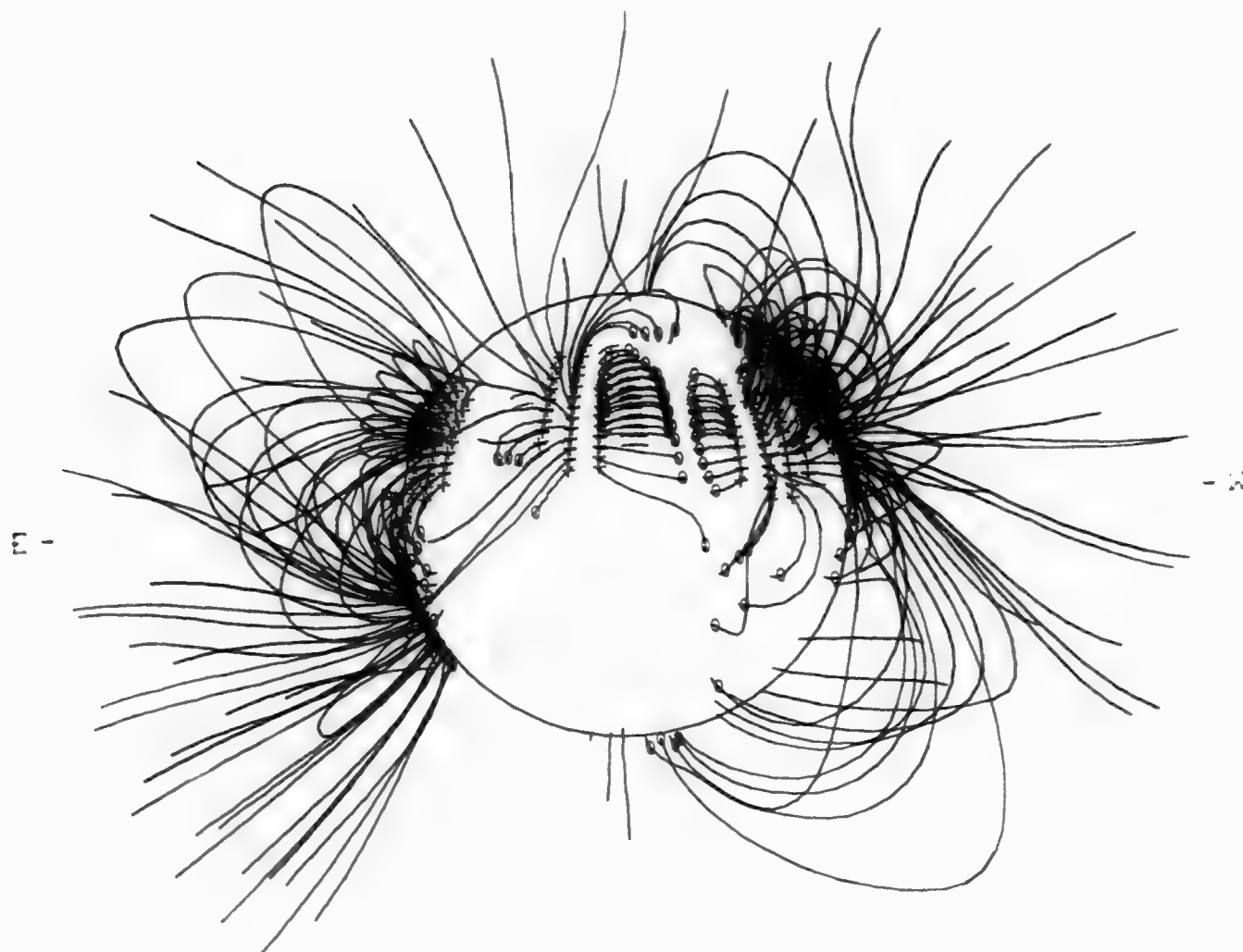
S

ROT. 1523 LONG. 11°
 3.5 2.0 1987

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

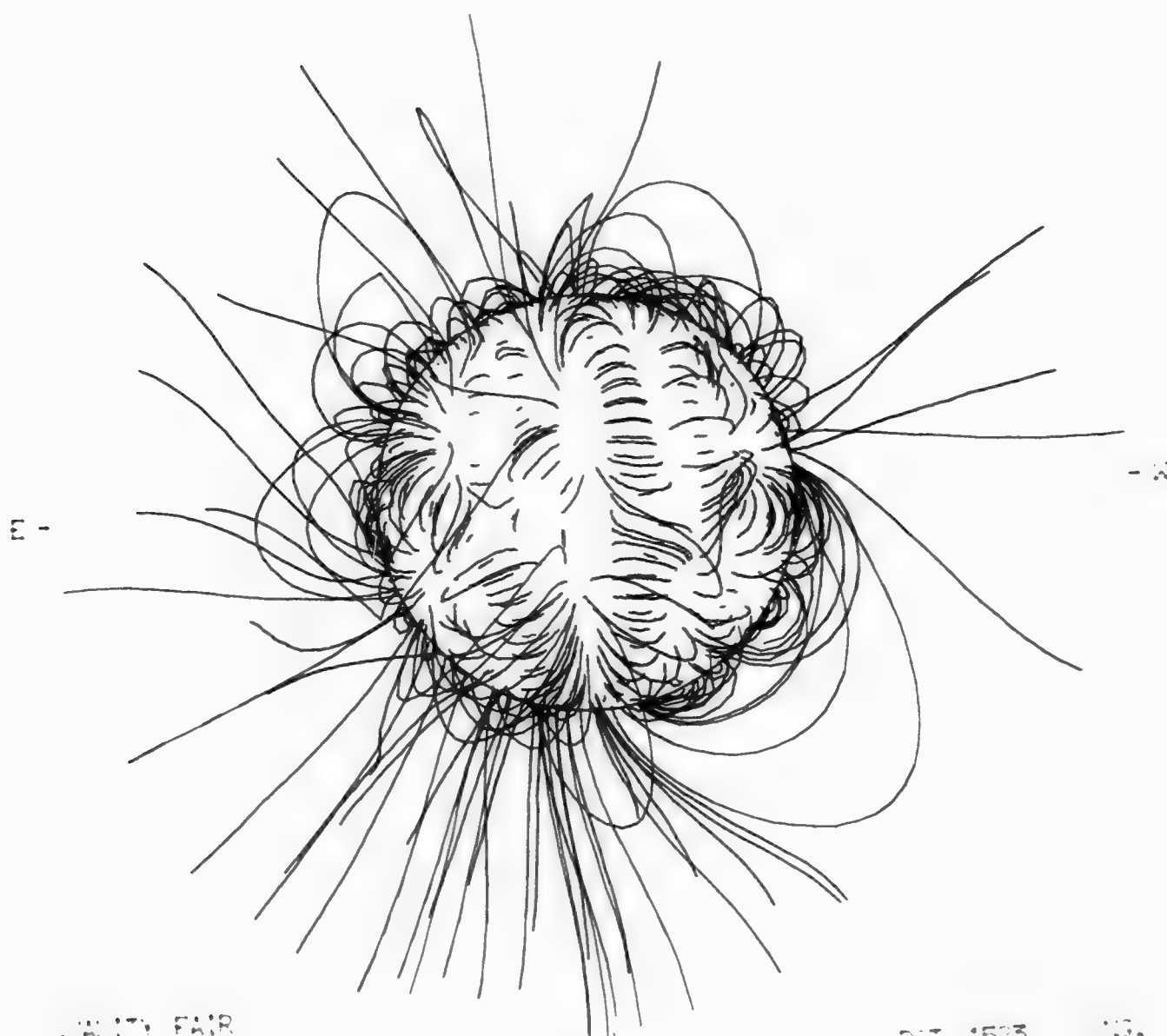


QUALITY FAIR
FILES DIRECT
DATA APR 1953.47

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REF. 1523 11.10. 11.10.
4.3 4.3 1957

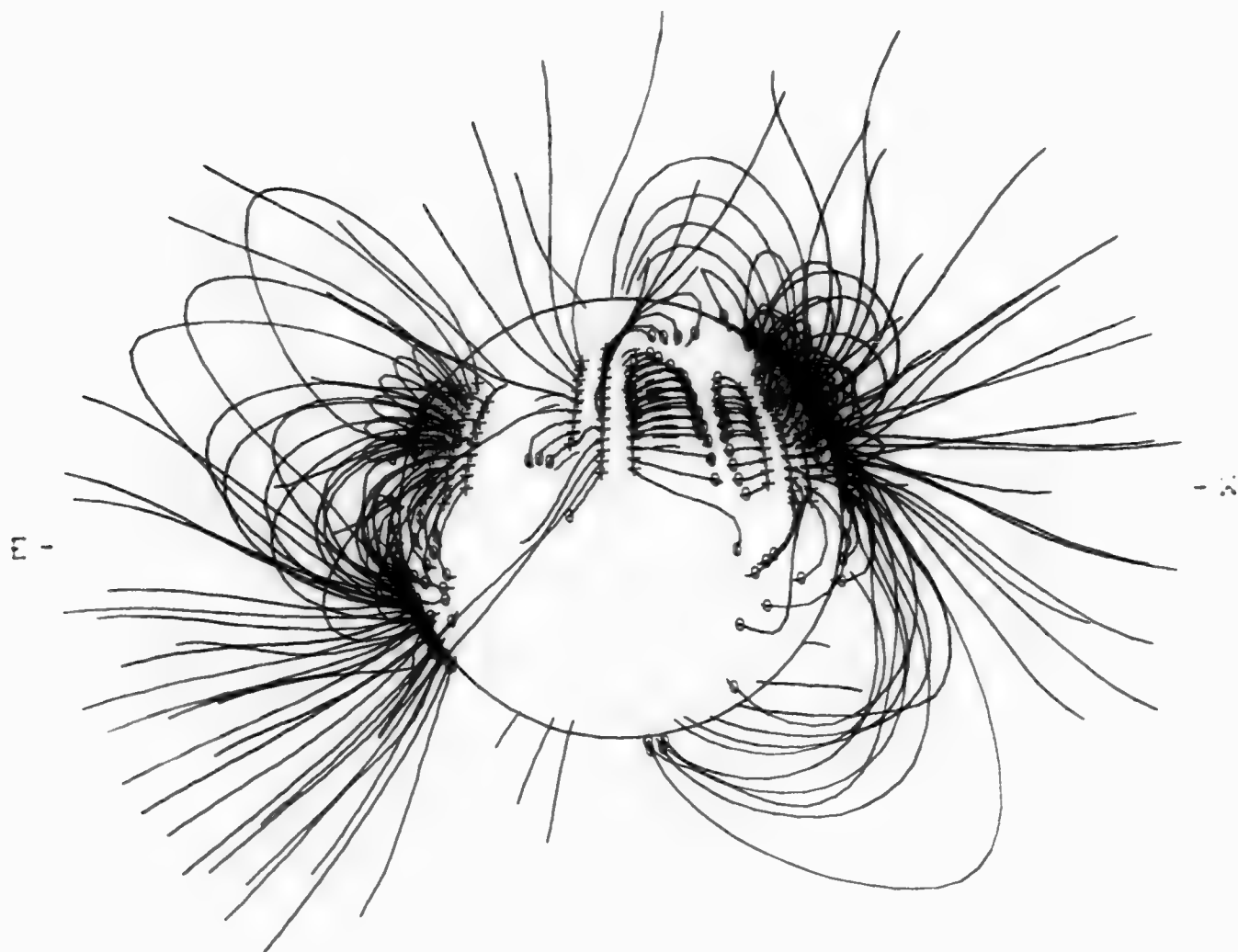
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA NUMBER 1523.47

RET. 1523 210. 1°
5.0 413 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

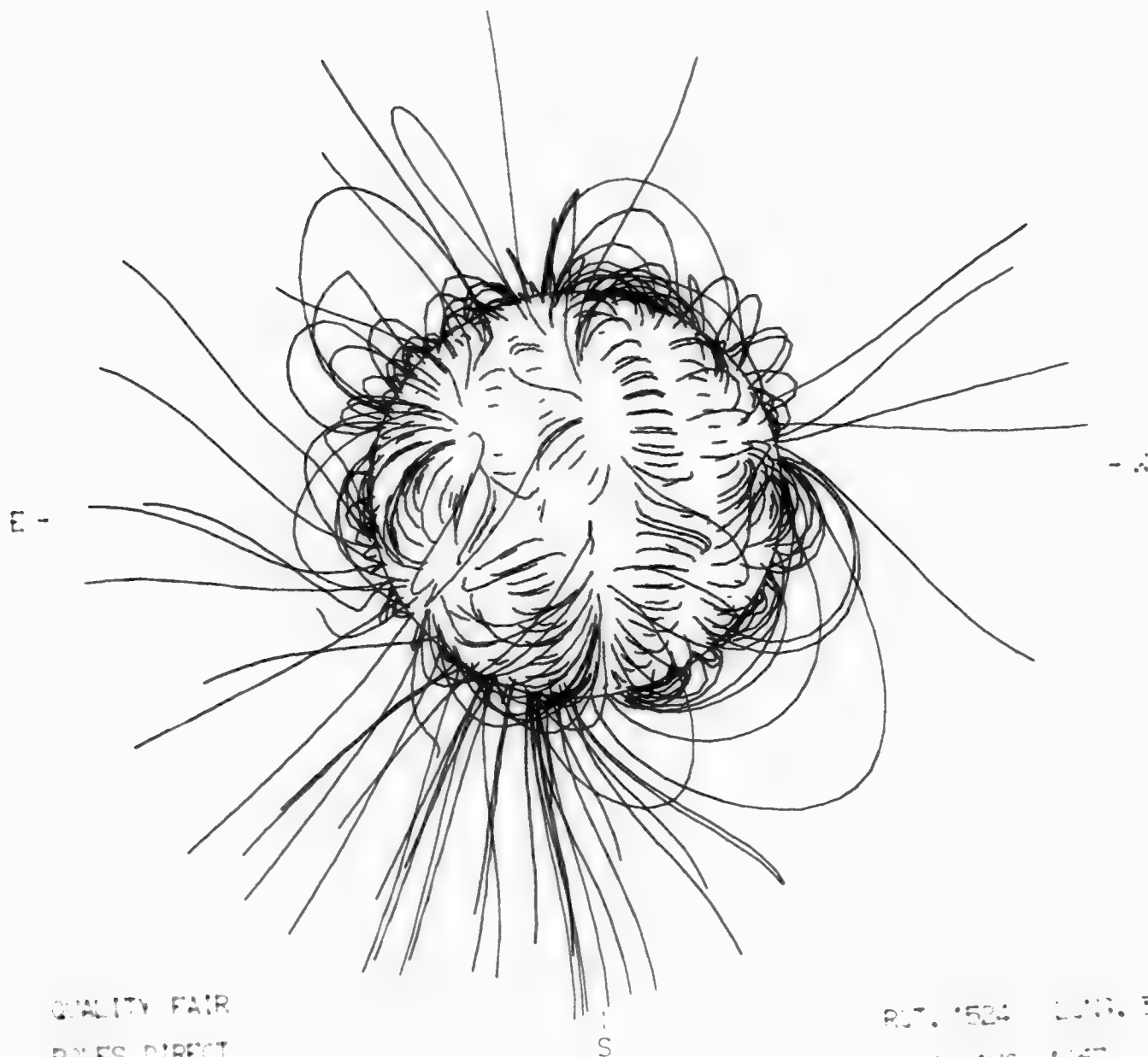


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1523.4"

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ROT. 1523 1113. 1°
 5.1 413 1967

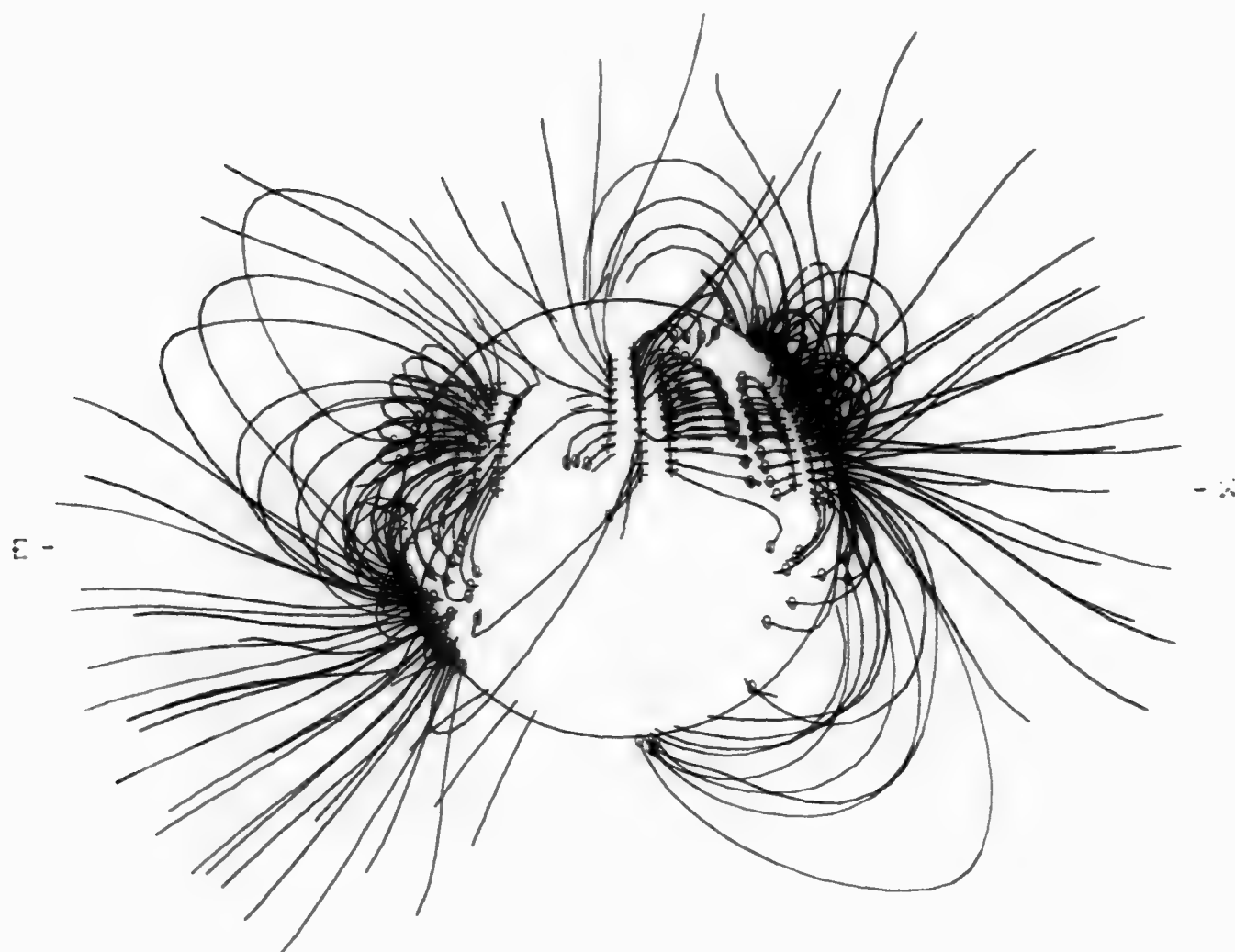
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA NUMBER 1503.47

RCT. 524 LUNA. 351
5.8 AUG 1967

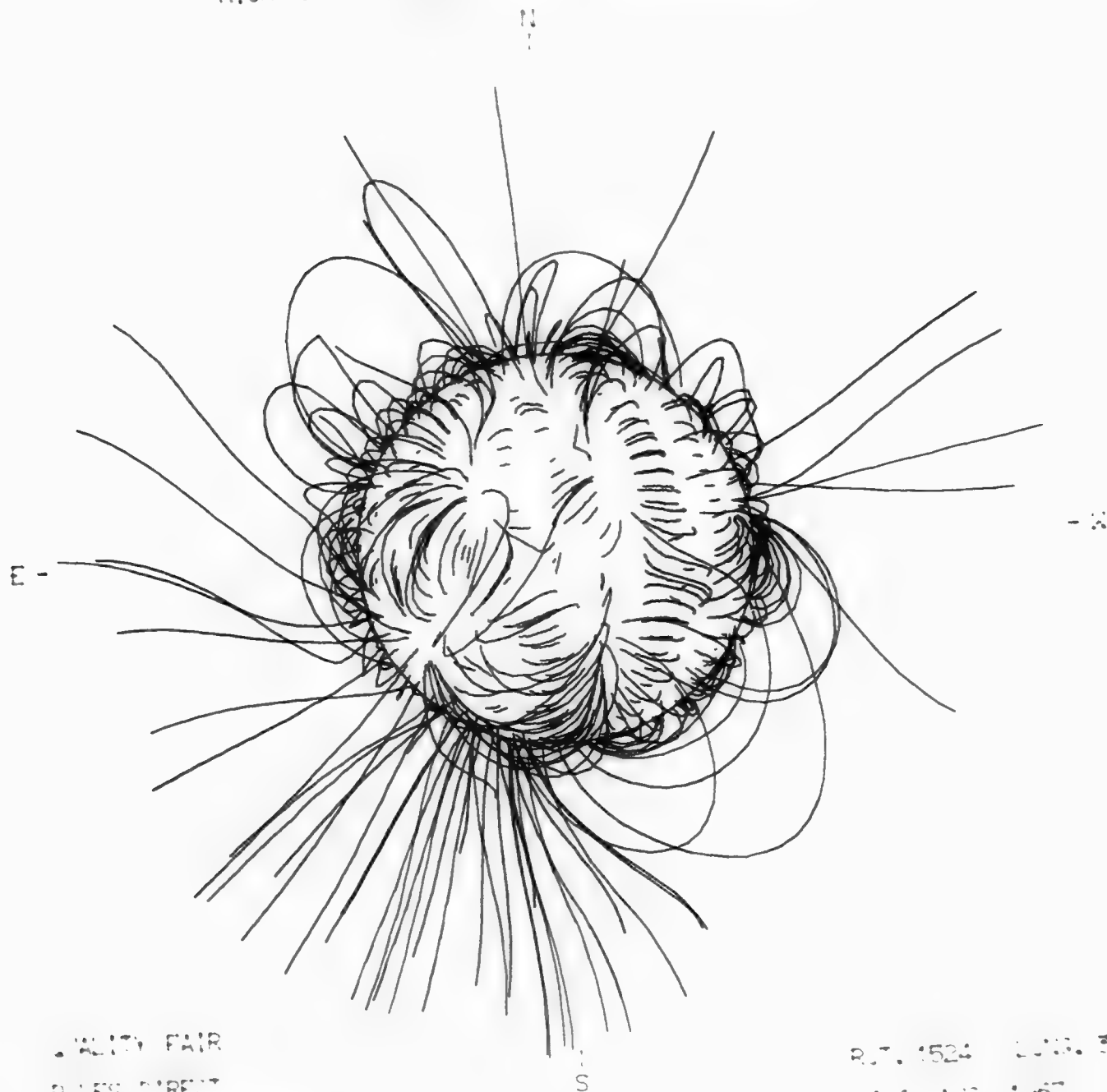
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FILES DIRECT
 DATA AREA 1503.47

ROT. 1524 1113. 551°
 5.8 AUG 1957

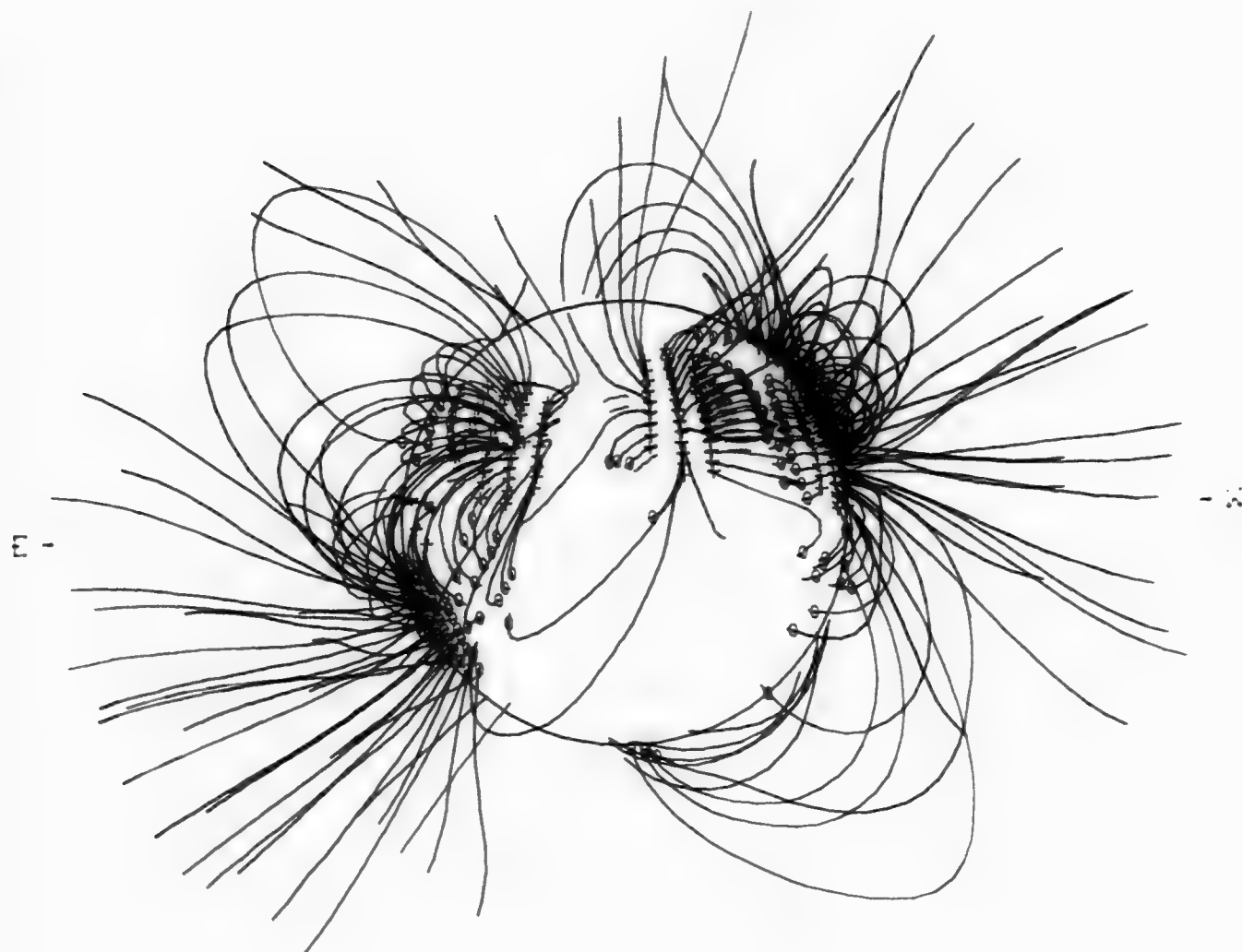
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA WINDOW 1523.47

R.T. 1524 1513.301
 6.6 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

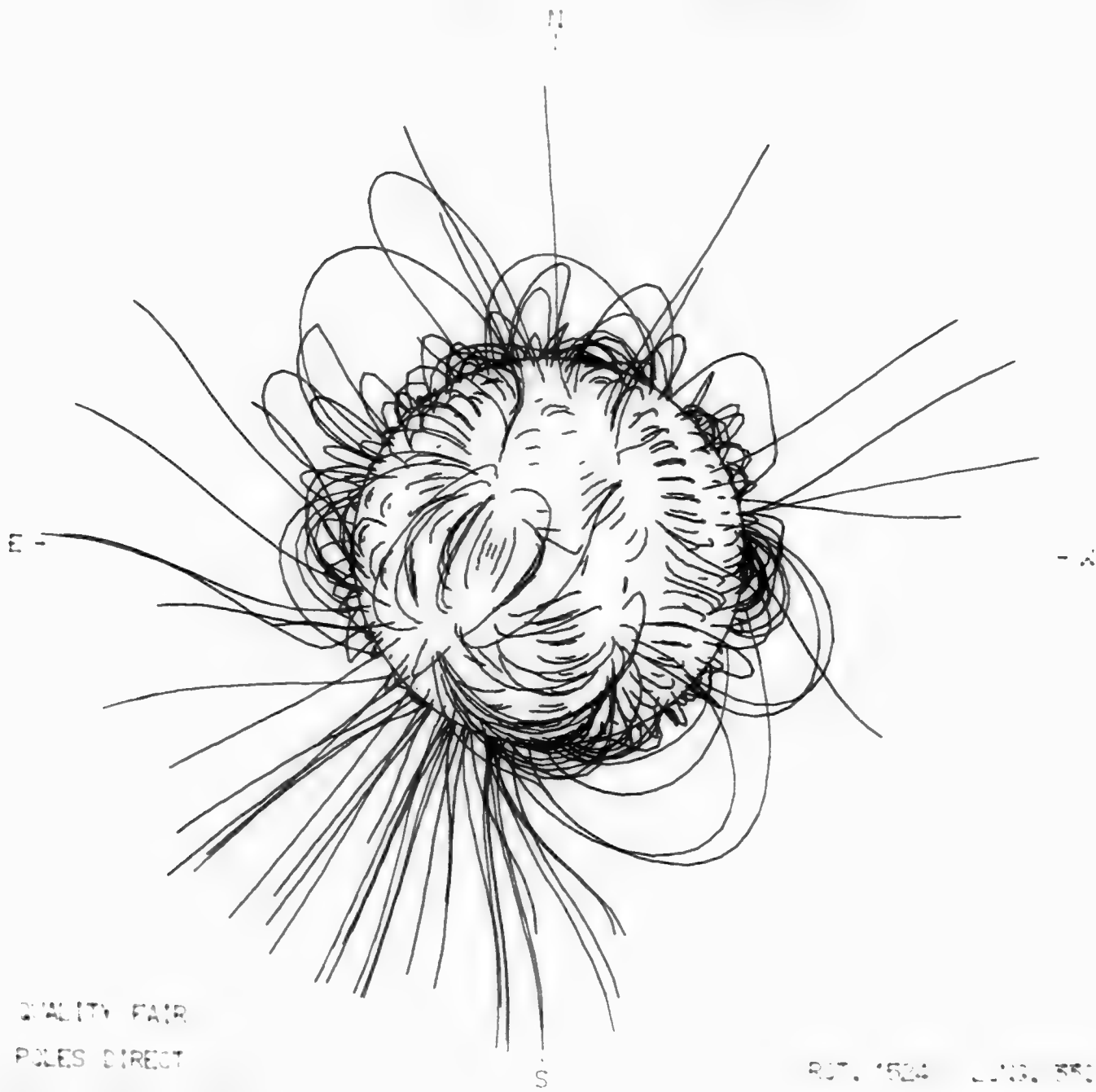


QUALITY FAIR
 POLES DIRECT
 DATA WIND ON 1523.47

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ROT. 1524 2110.341°
 5.5 AUG 1967

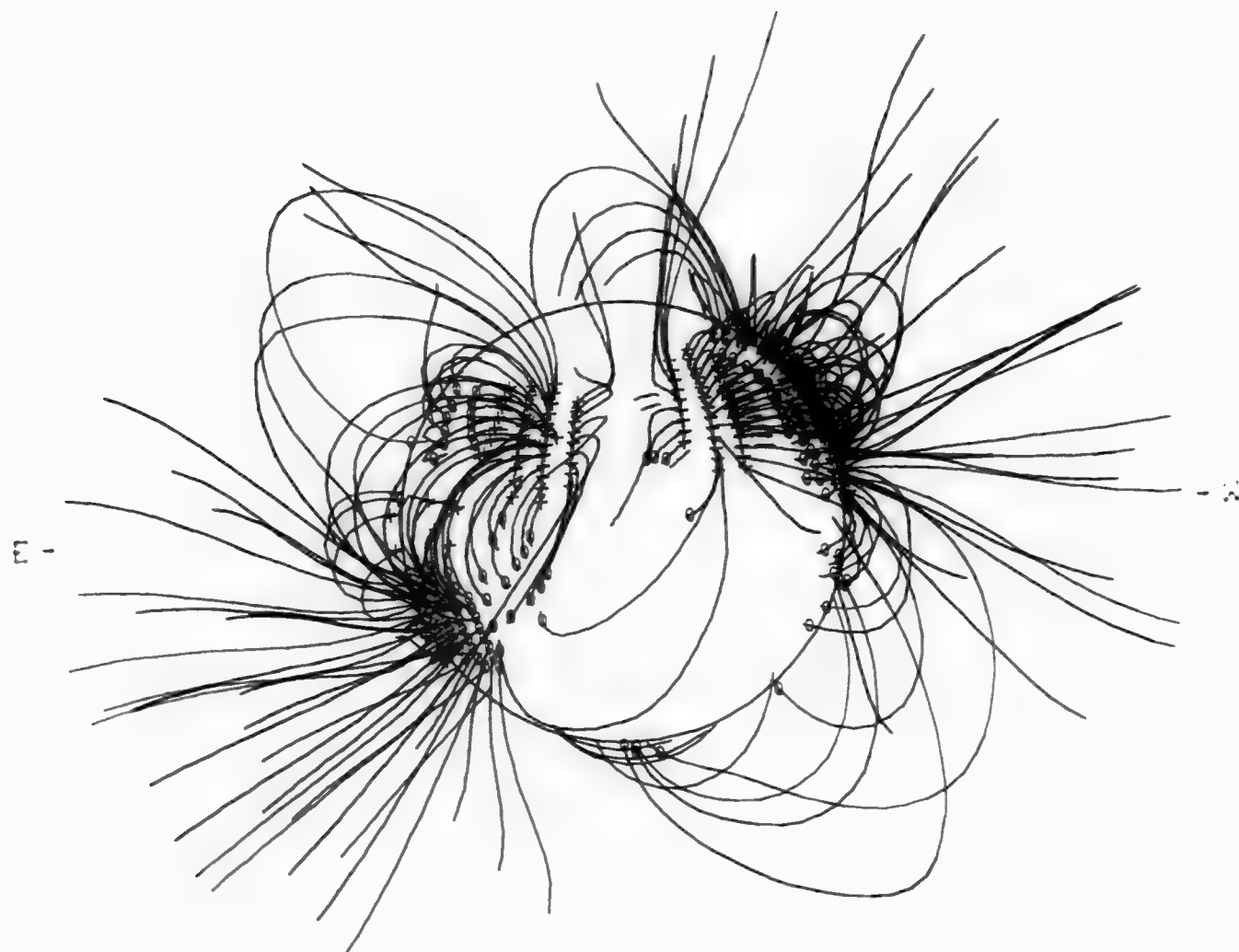
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1523.4"

ROT. 1524 2113.55°
7.3 211 195"

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

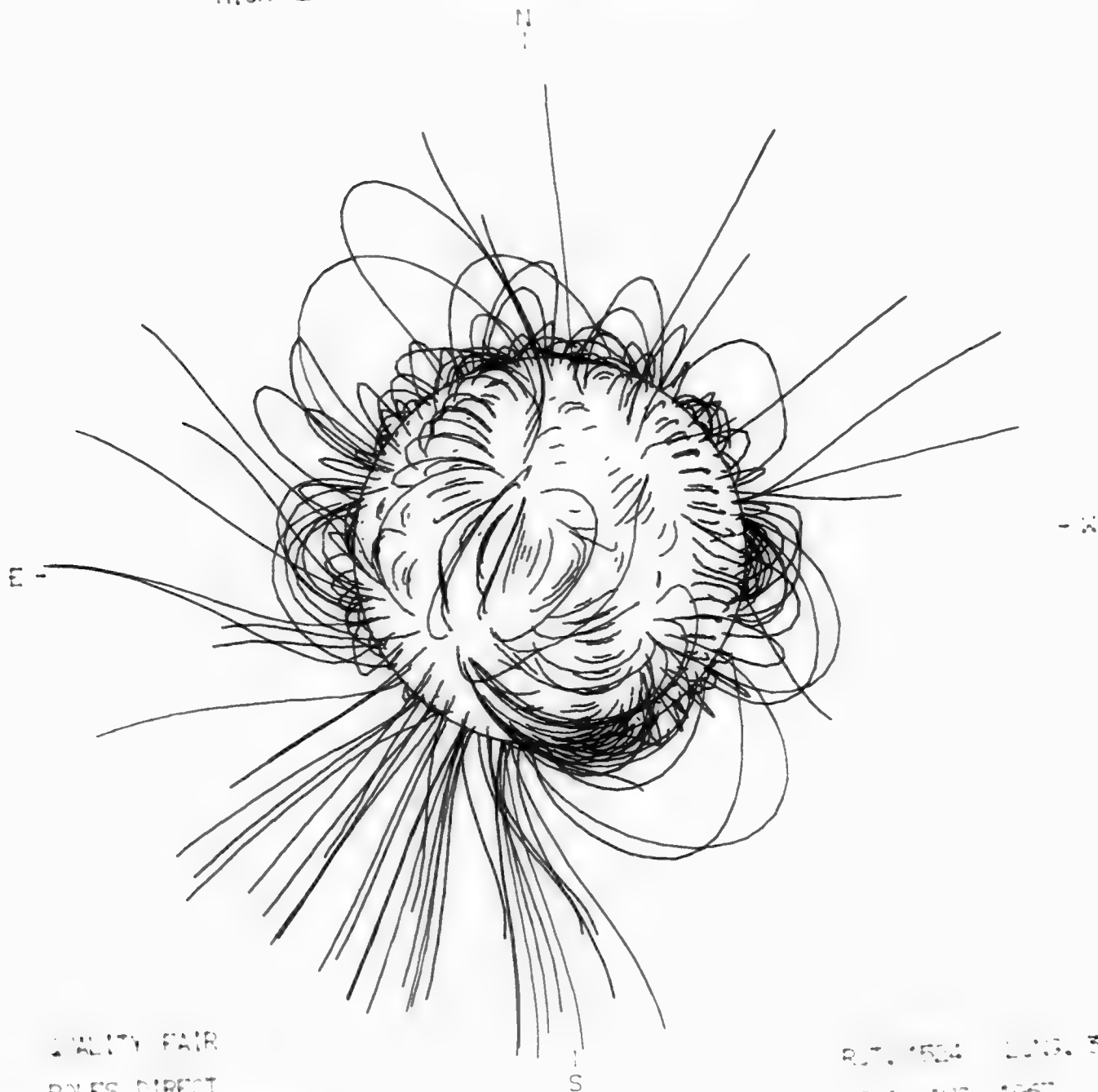


QUALITY FAIR
 FILED DIRECT
 DATA WINDOW 1523.47

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R.T. 1524 L.A.S. 350°
 7.3 AUG 1967

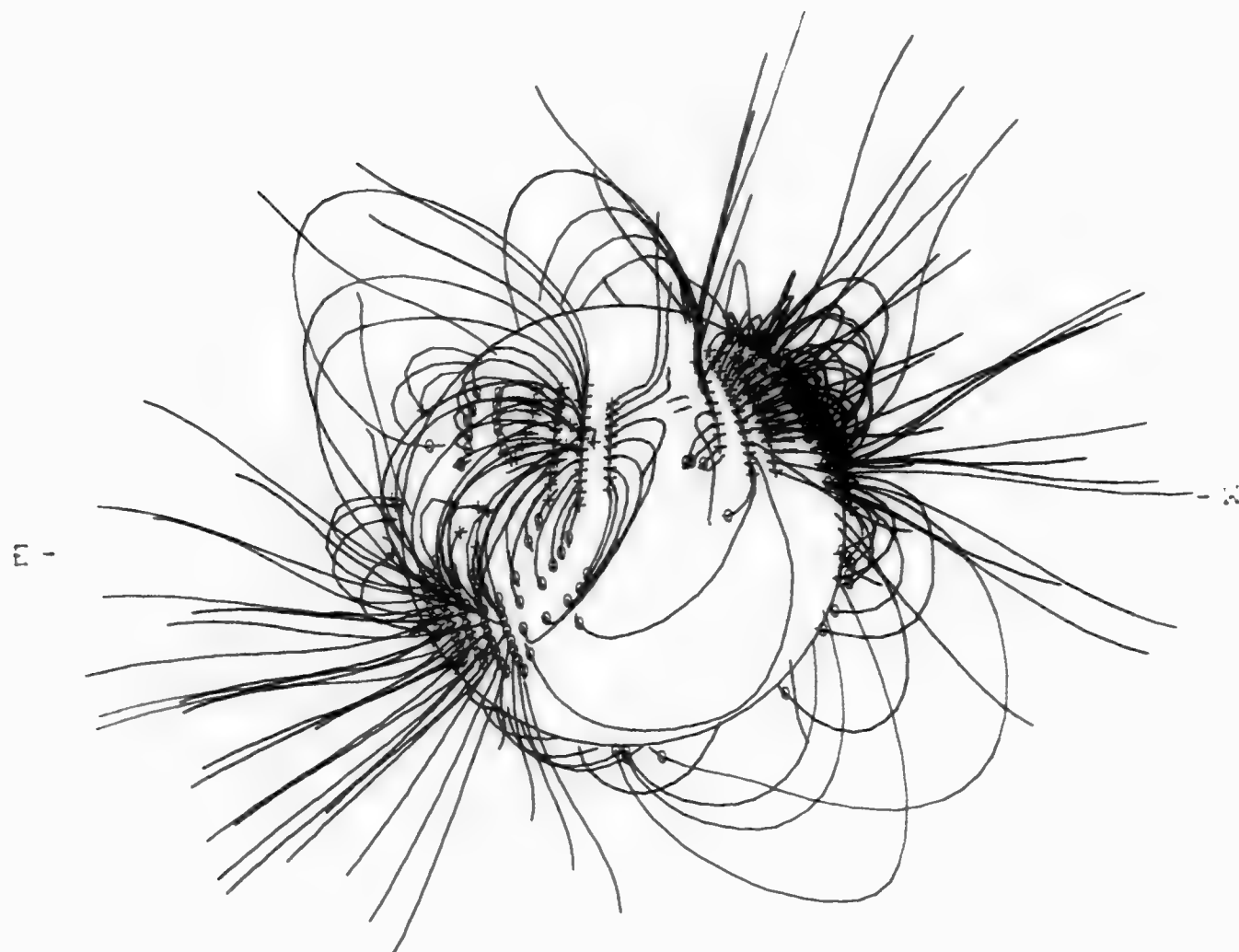
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW '523.4'

R.T. '524 LING. 300°
8.1 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WIND IN 1523.47

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R.T. 1524 2013.311°
8.1 AUG 1967

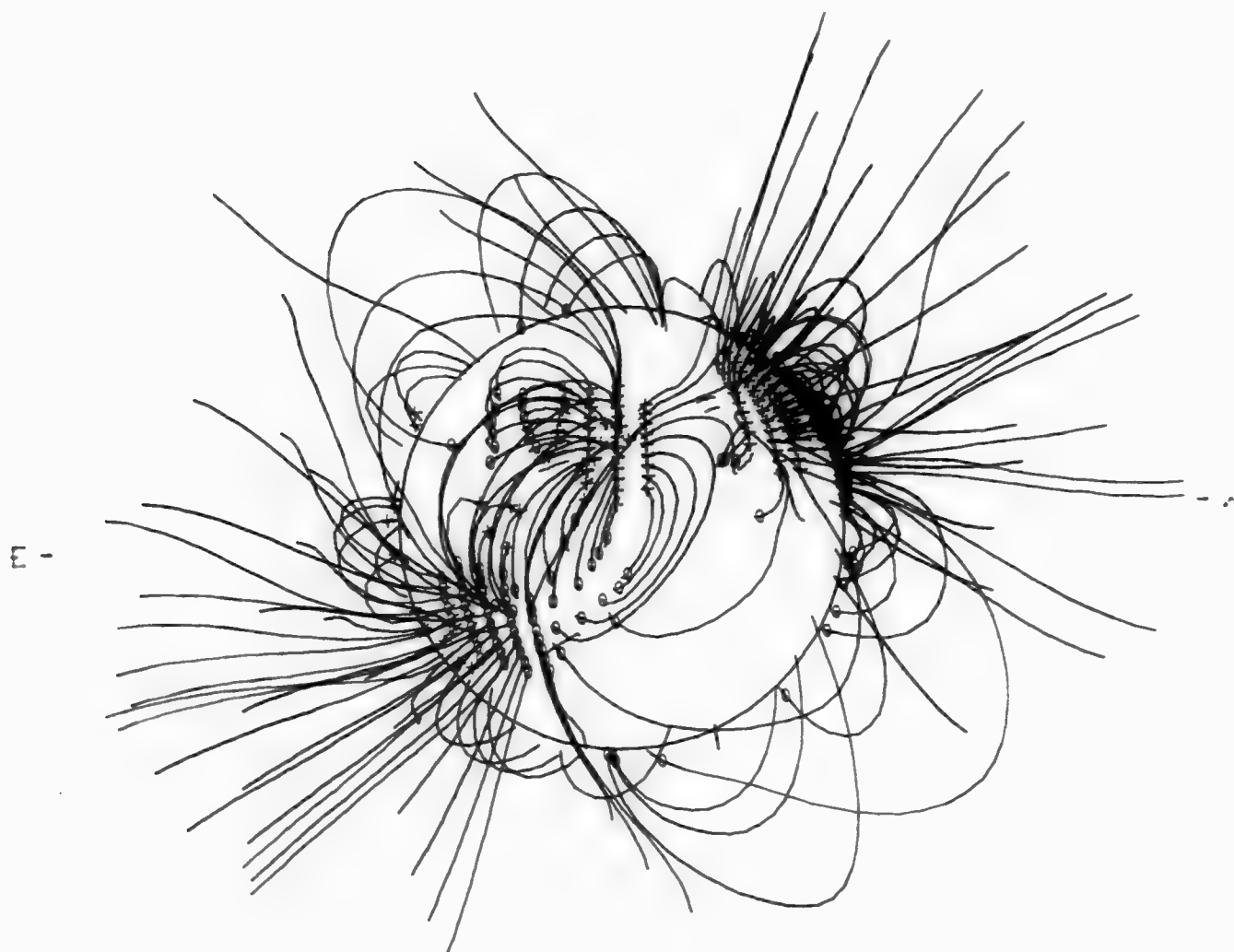
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA ANNOX 1523.47

RJT. 1524 2013. 311°
 8.8 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

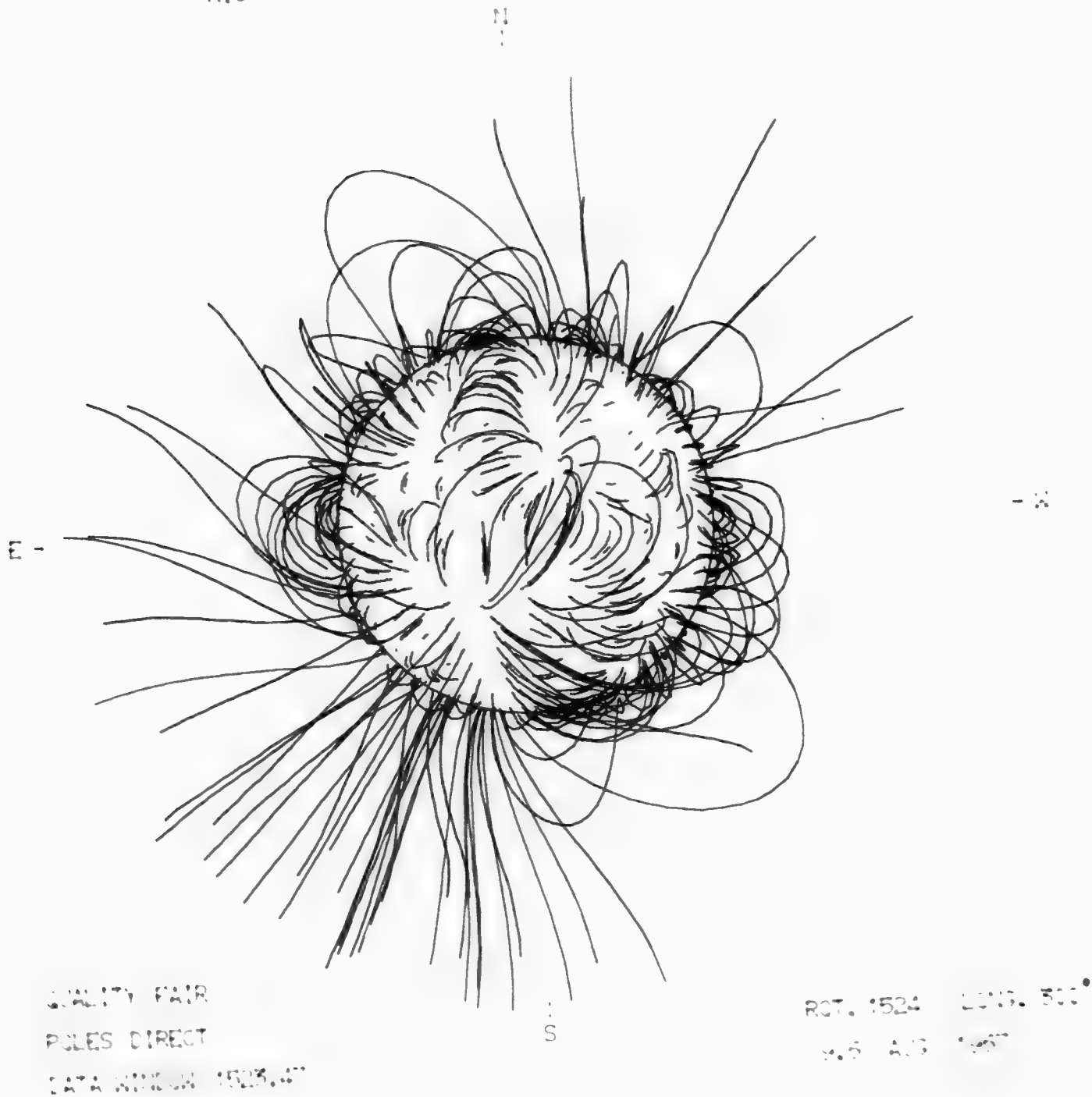


QUALITY FAIR
FILES DIRECT
DATA WINDOW 1523.4"

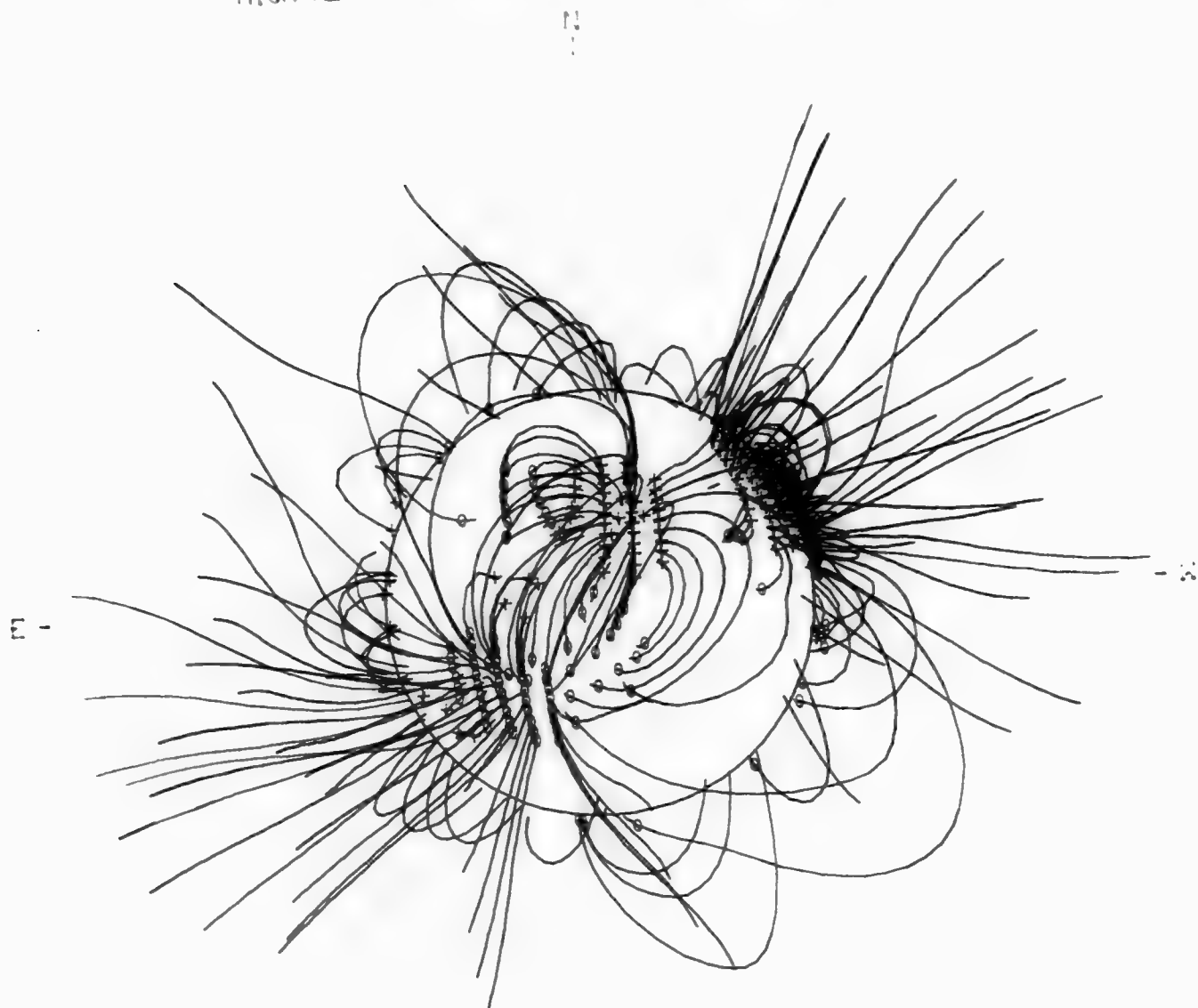
S

RUT. 1524 LONG. 311°
8.8 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

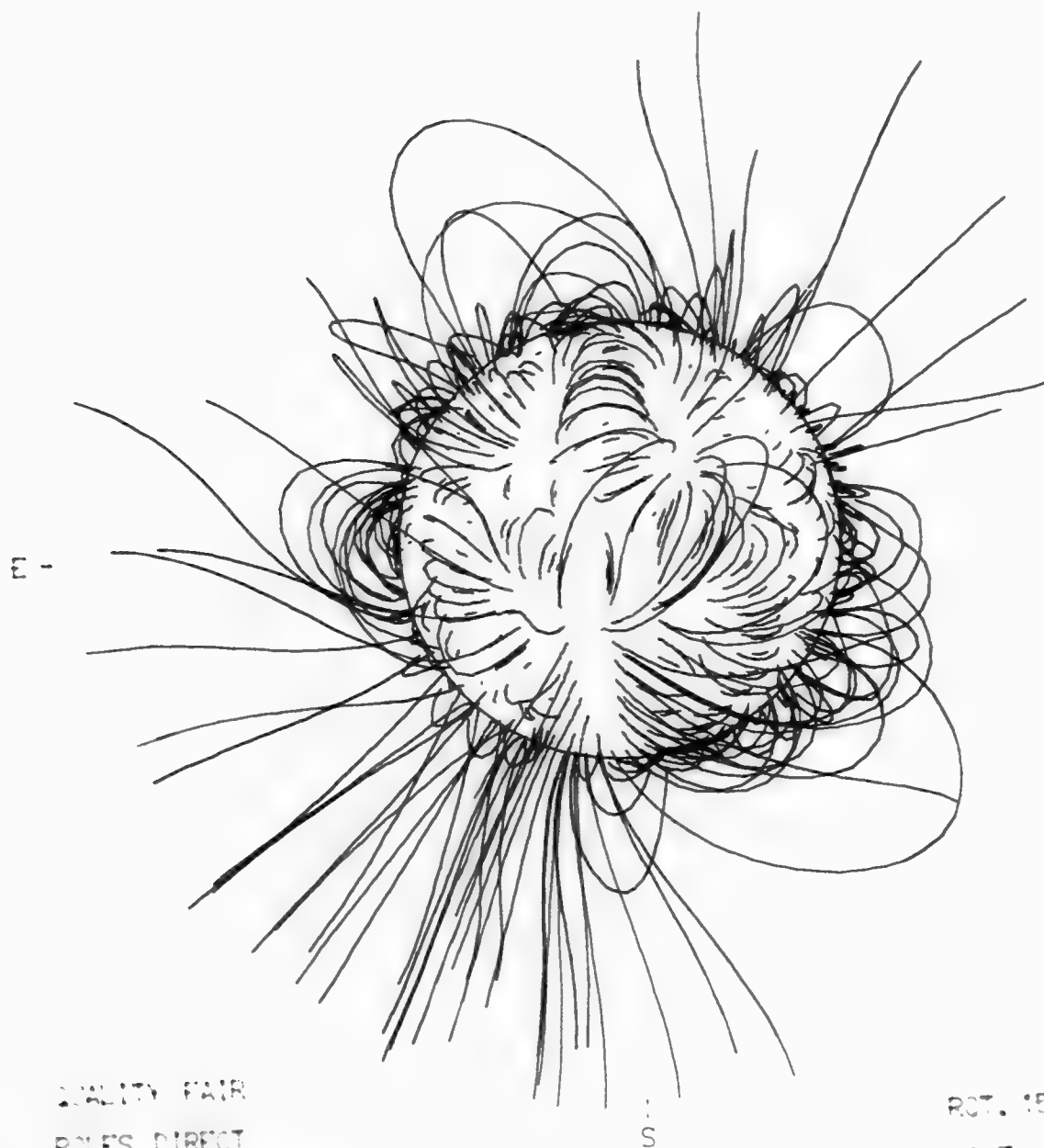


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1523.47

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ROT. 1524 LONG. 301°
 9.6 AUG 1967

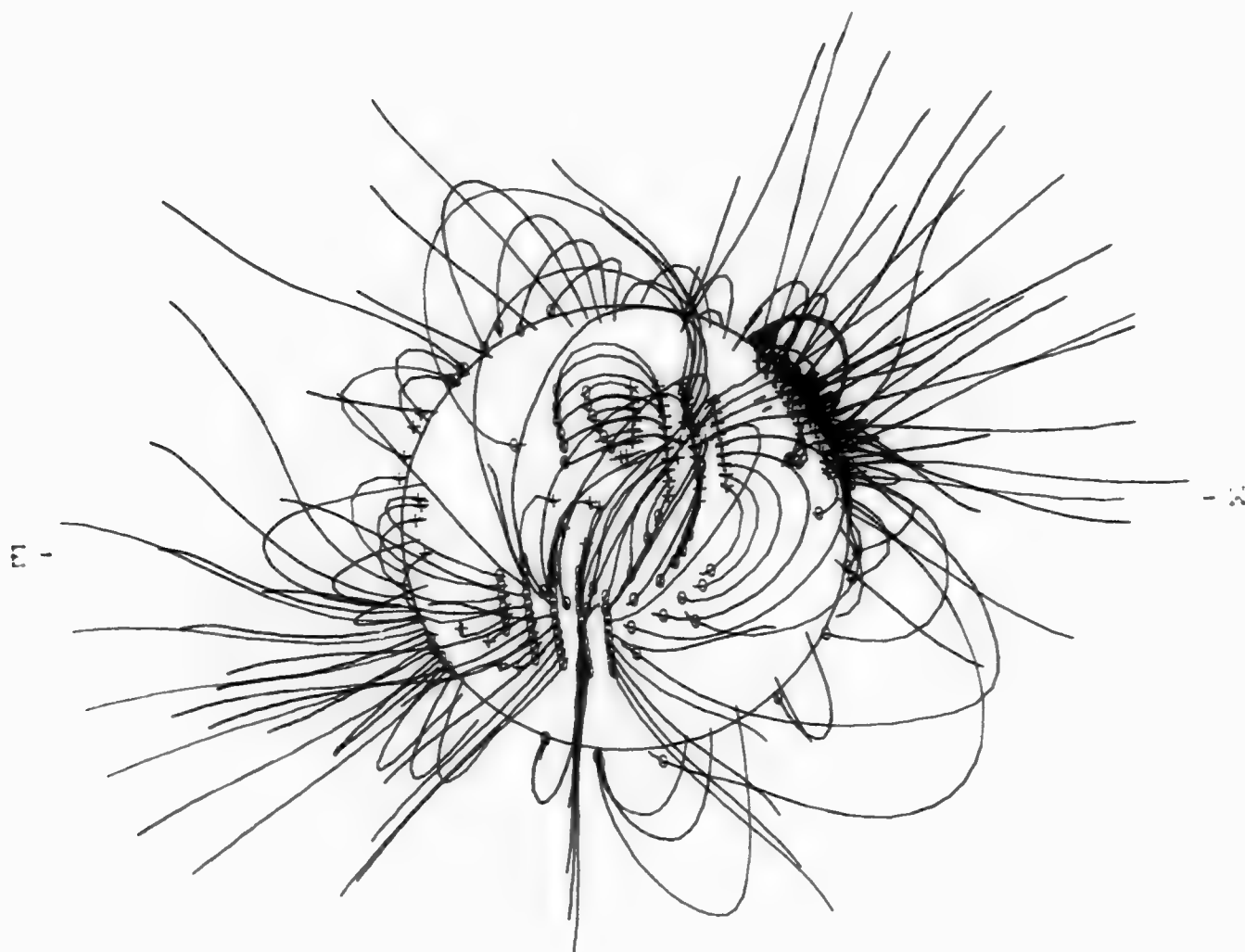
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1523.47

ROT. 1524 2013.240°
10.3 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

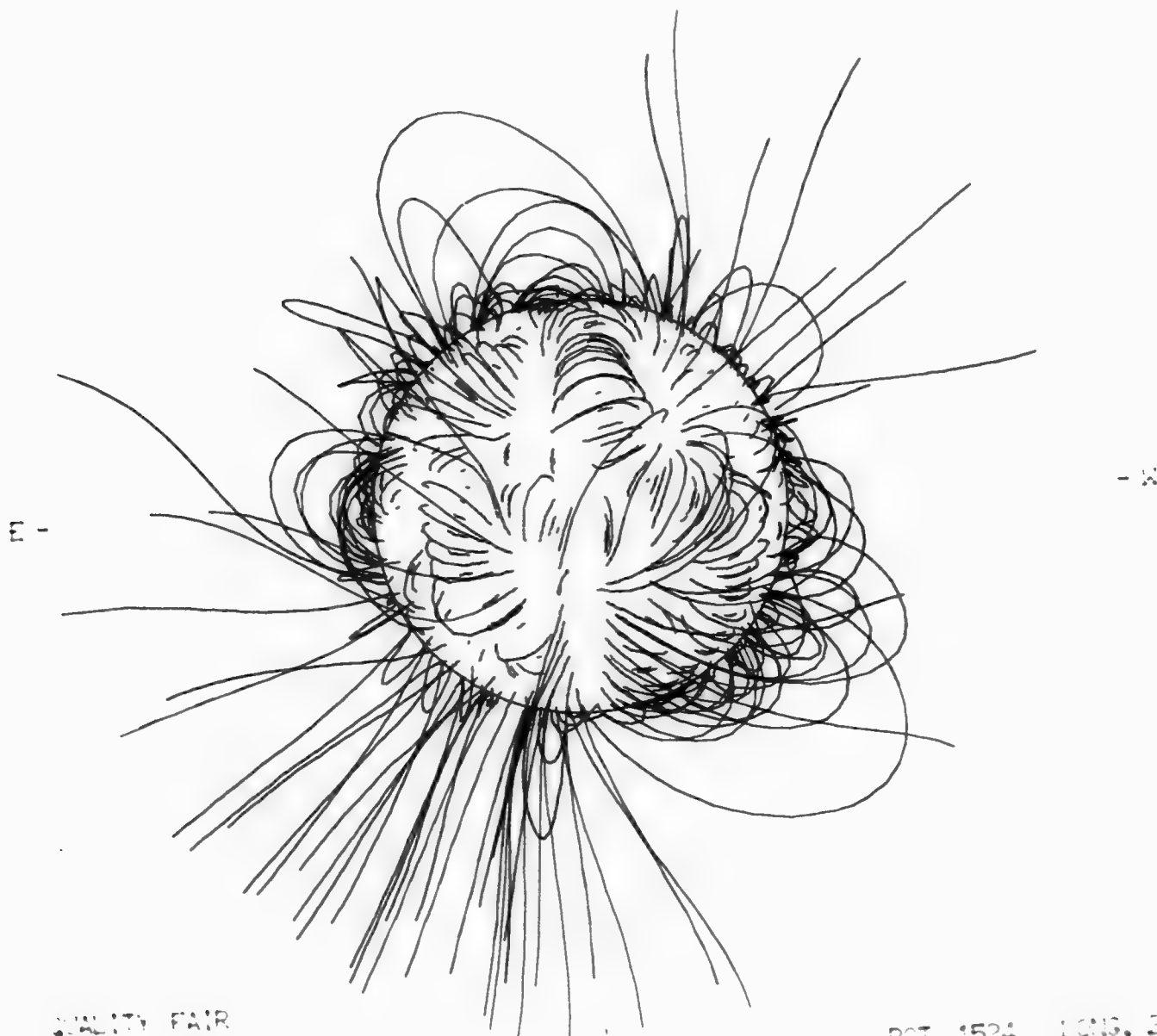


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1523.47

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RJT. 1524 10.3. 240°
10.3 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

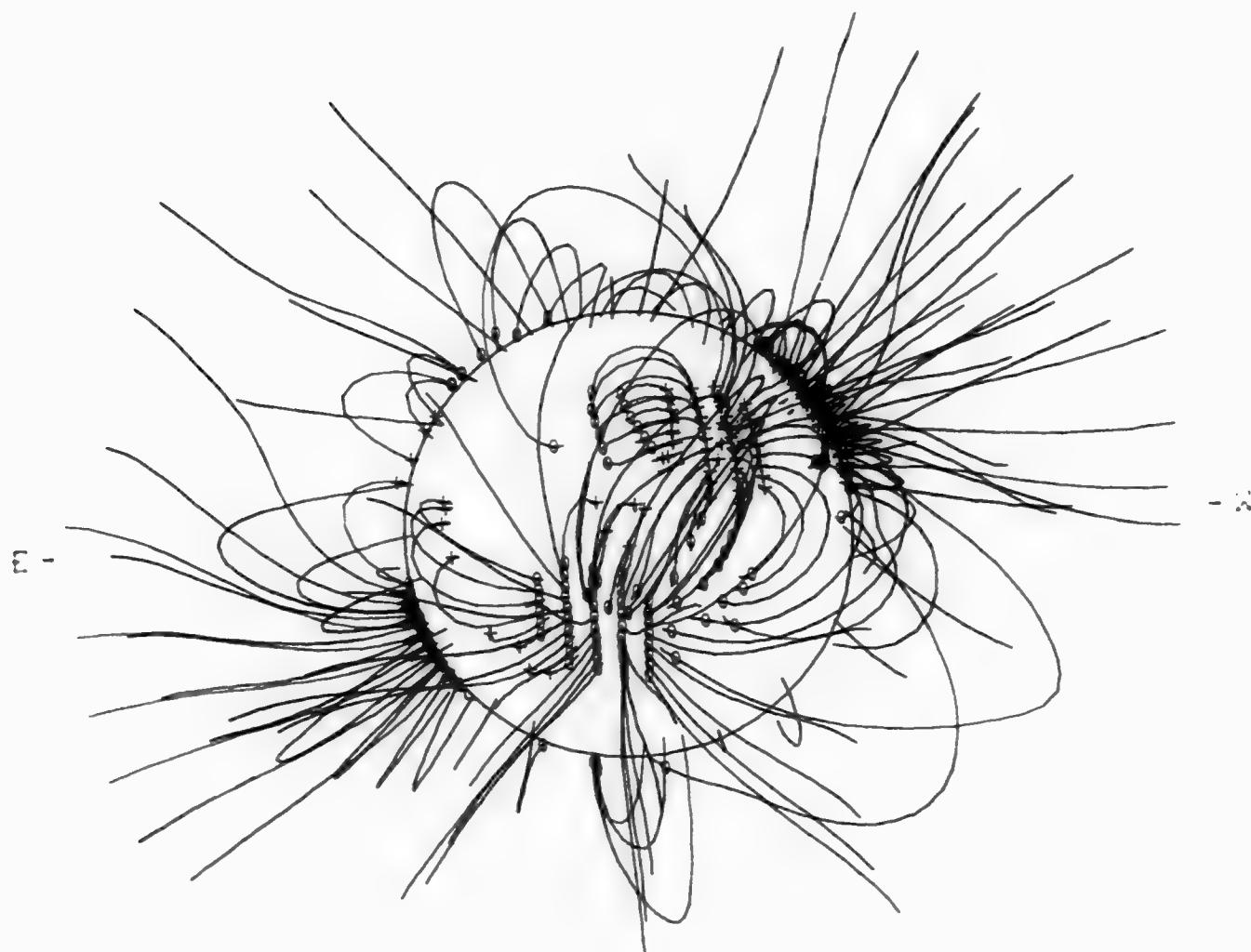


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1523.47

ROT. 1524 LONG. 281°
... AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY FAIR

FILES CURRENT

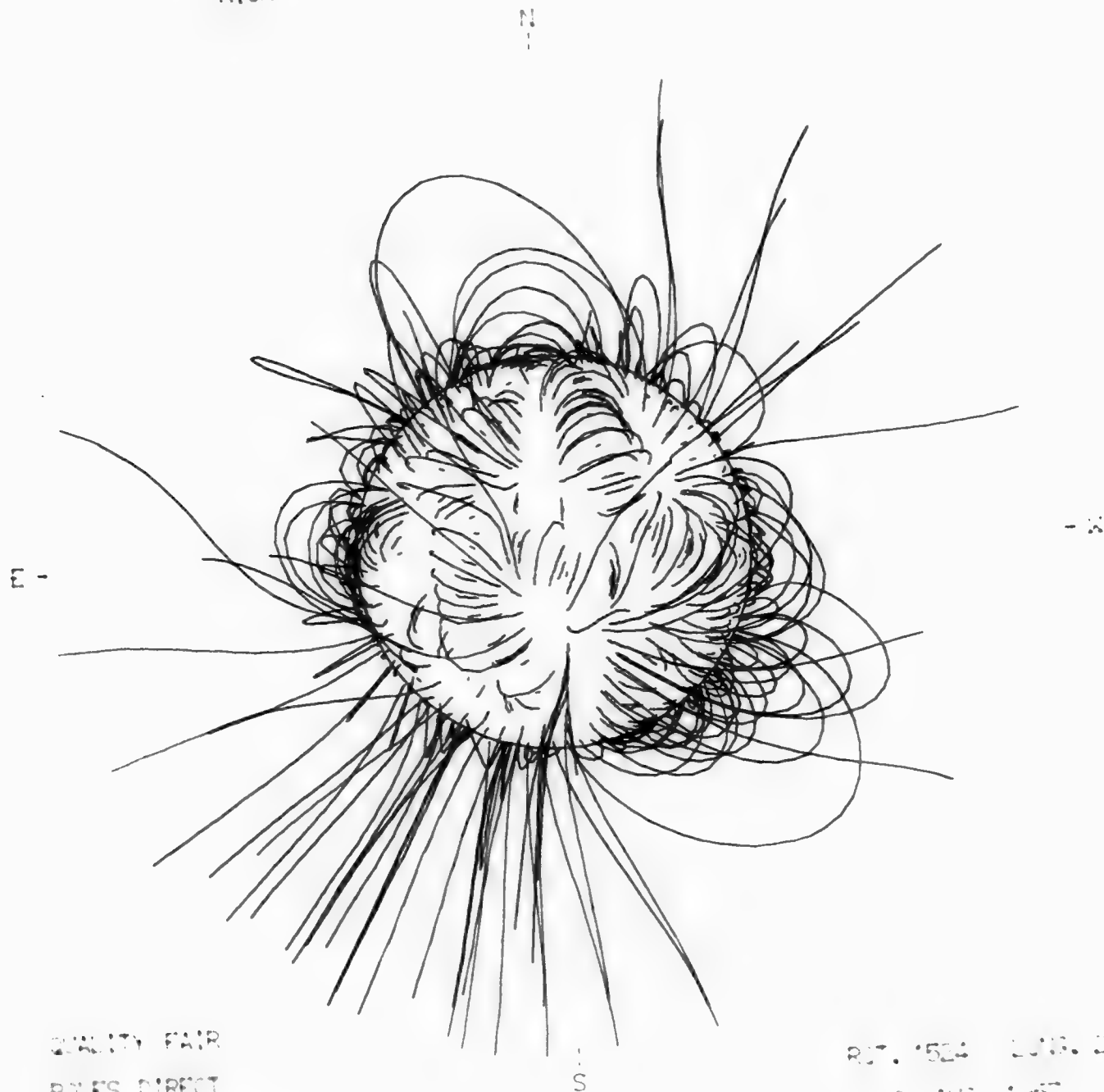
DATA WINDOW 1523.47

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RCT. 1524 1513.251°

... 1513 1513°

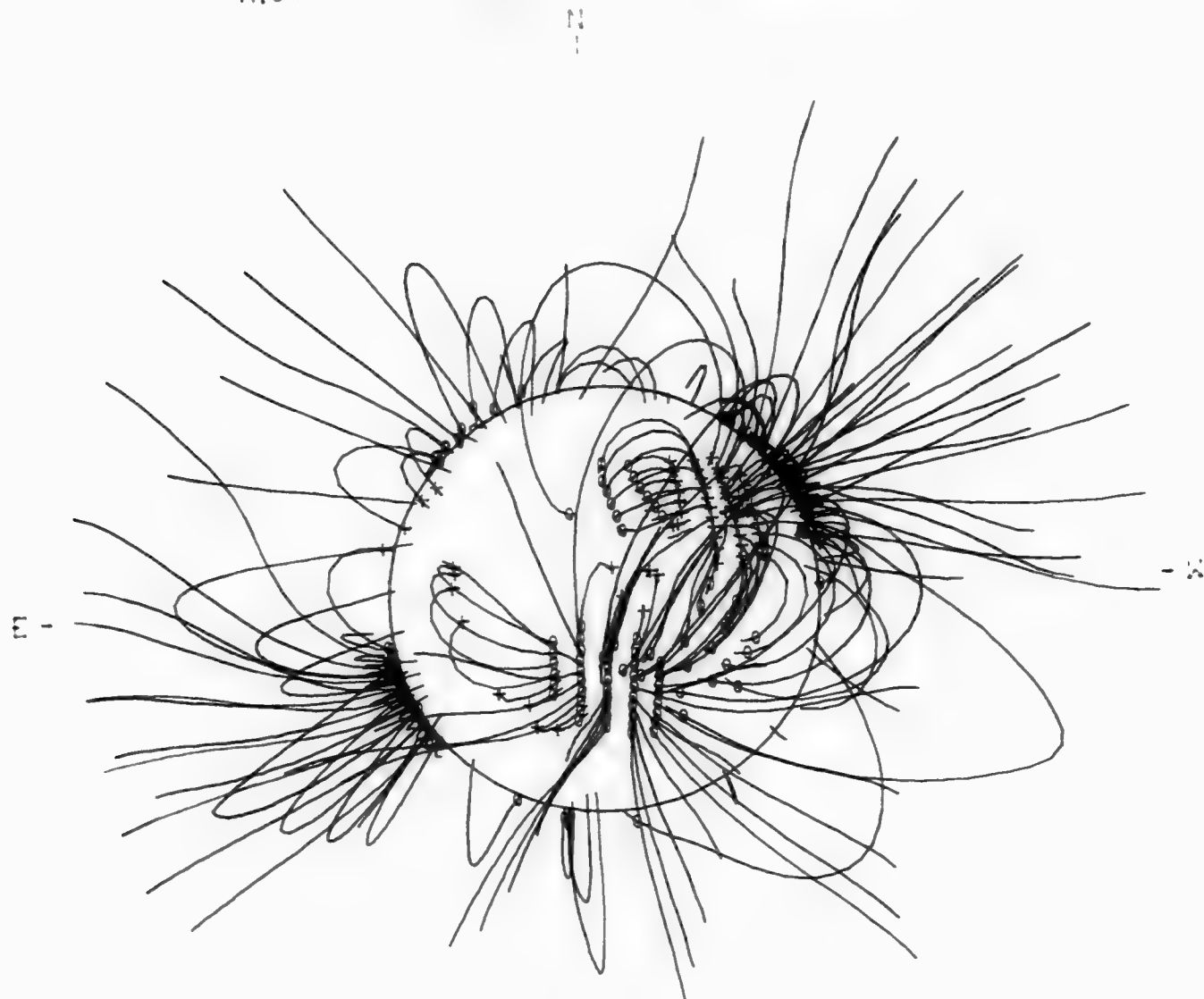
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1523.4"

RCT. 1524 2018.270
11.9 AUG 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

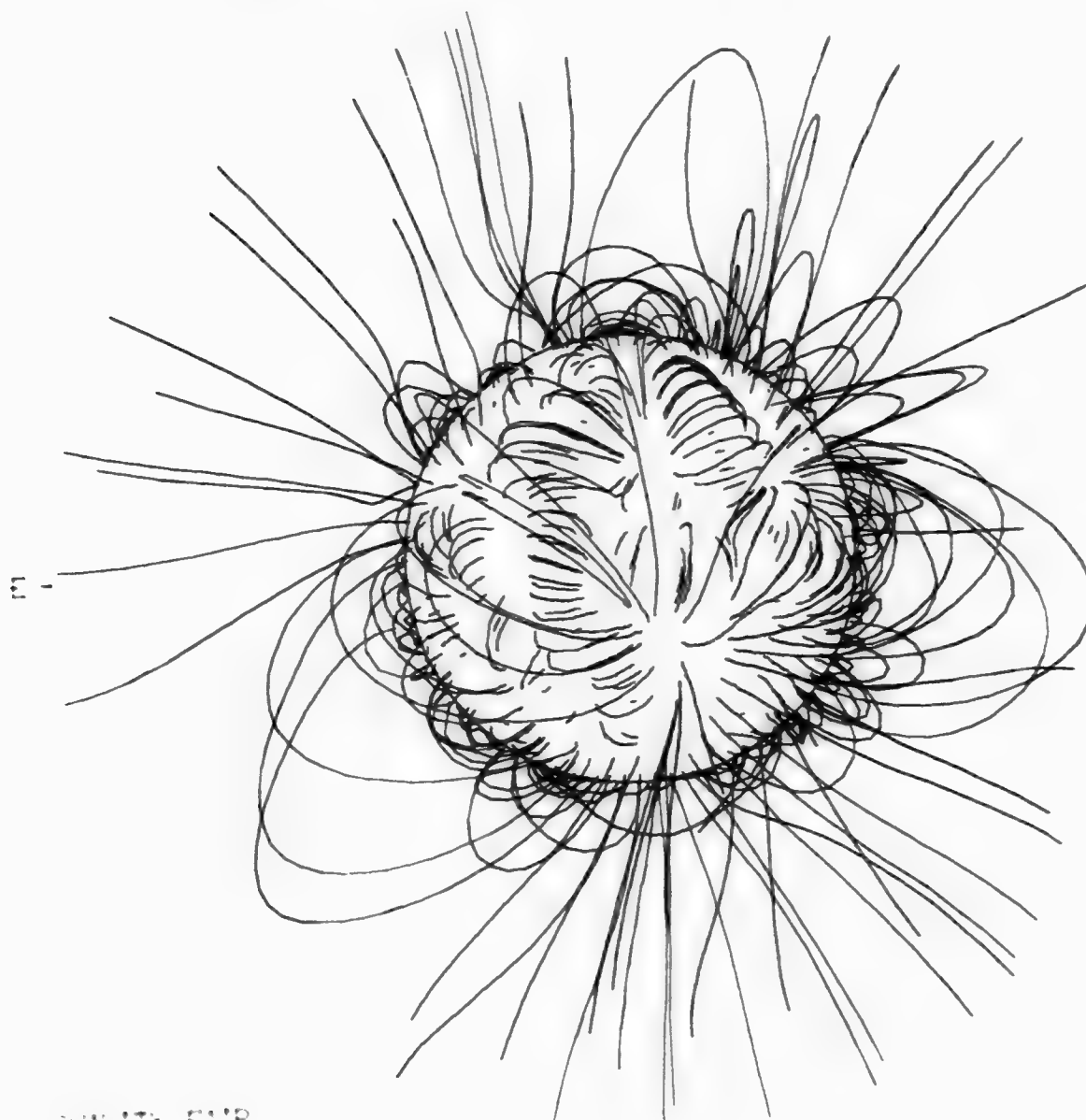


QUALITY FAIR
 PULSES DIRECT
 DATA WINDOW 1523.47

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R.L.T. 1524 2113.270°
 11.9 AUG 1967

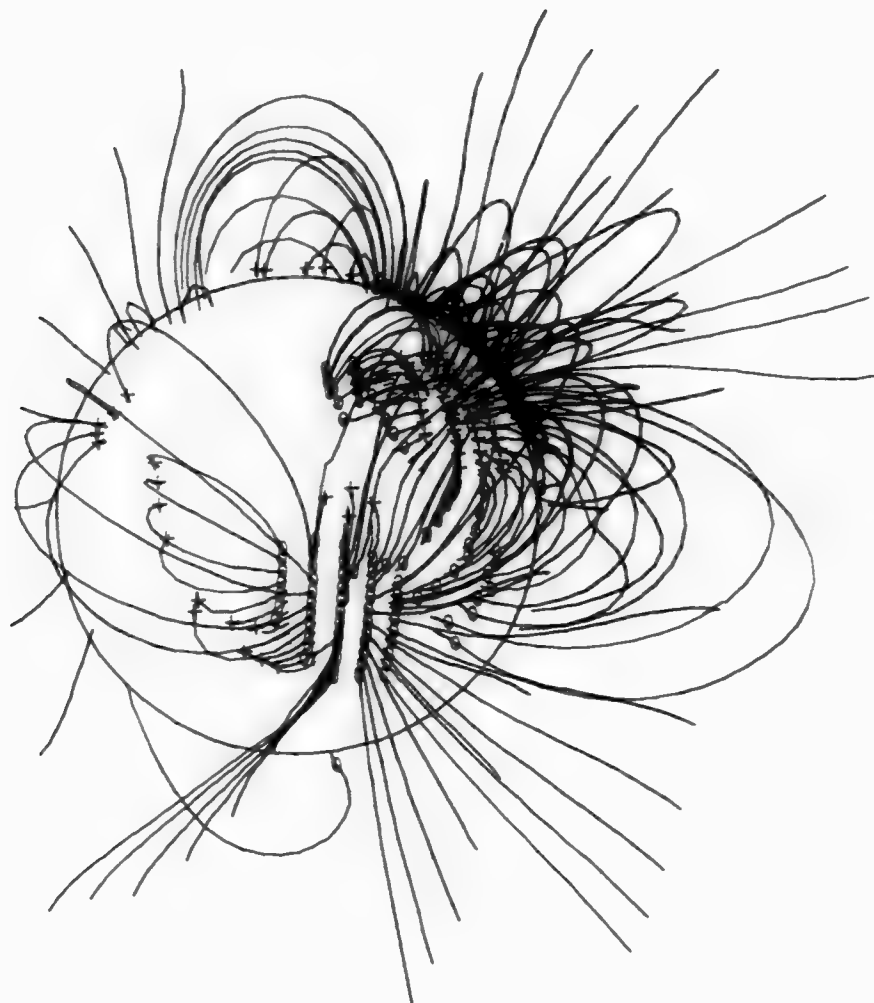
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FILLED DIRECT
 DATA AND/OR FROM

RGT. 1524 2013. 1950
 12.6 433 1950

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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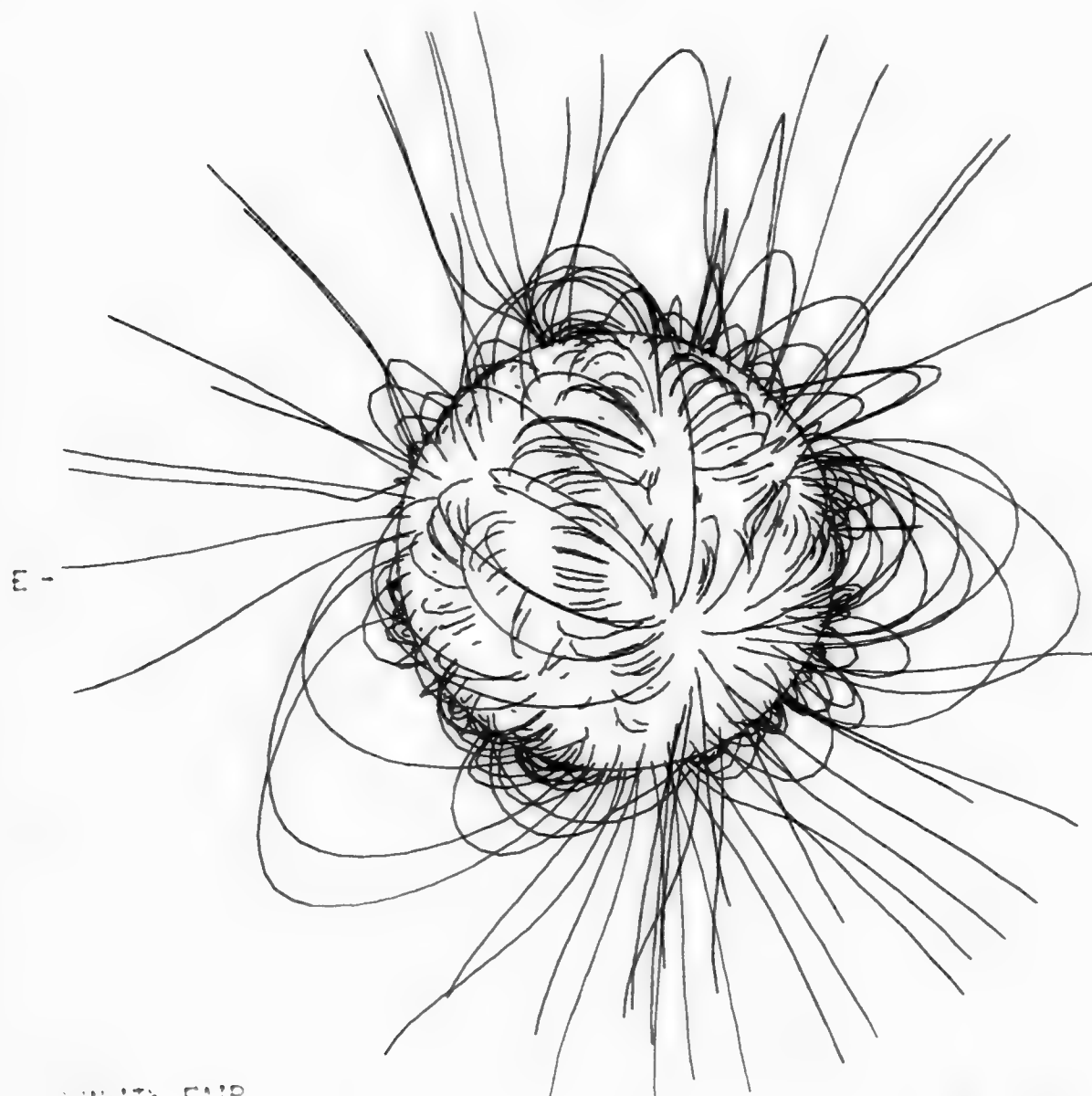
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QUALITY FAIR
FILES DIRECT
DATA ANGLE 1524.00

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ROT. 1524 1524.00
12.6 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



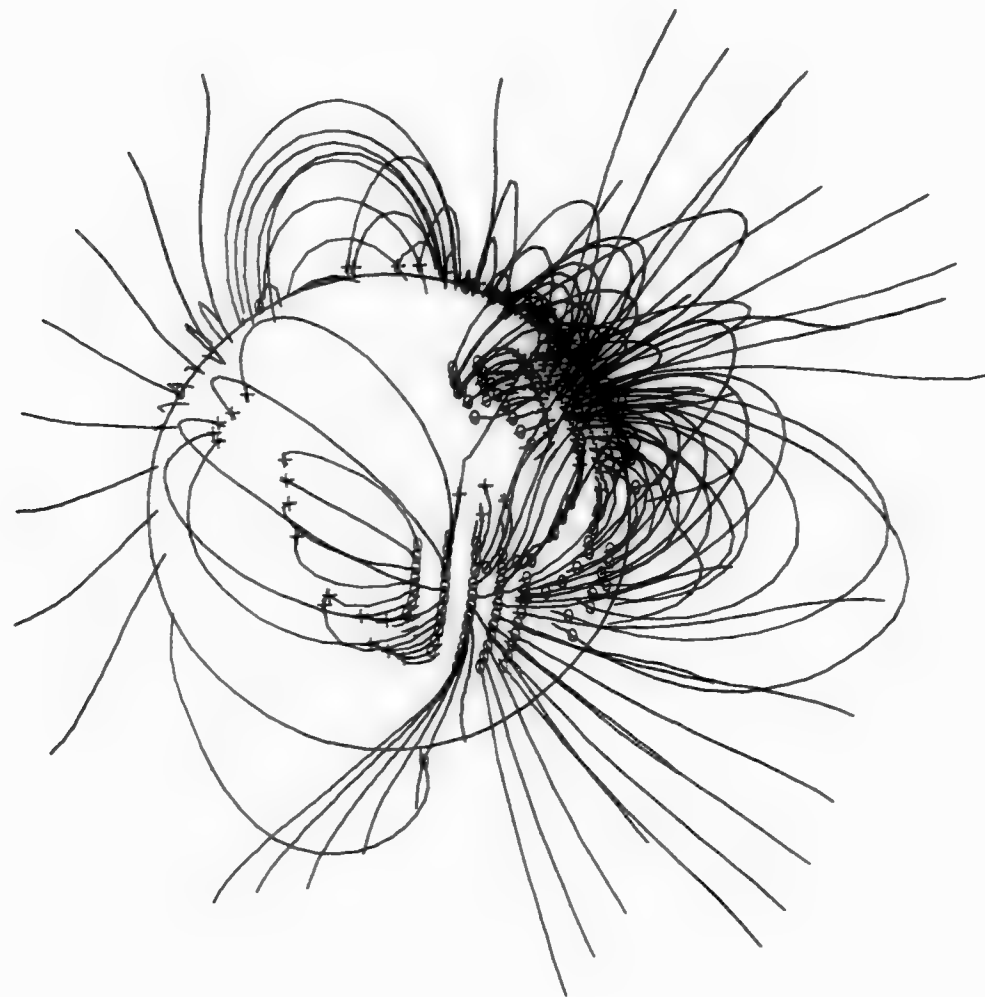
QUALITY FAIR
FILES DIRECT
DATA NUMBER 1524.00

ROT. 1524 2013.251°
13.3 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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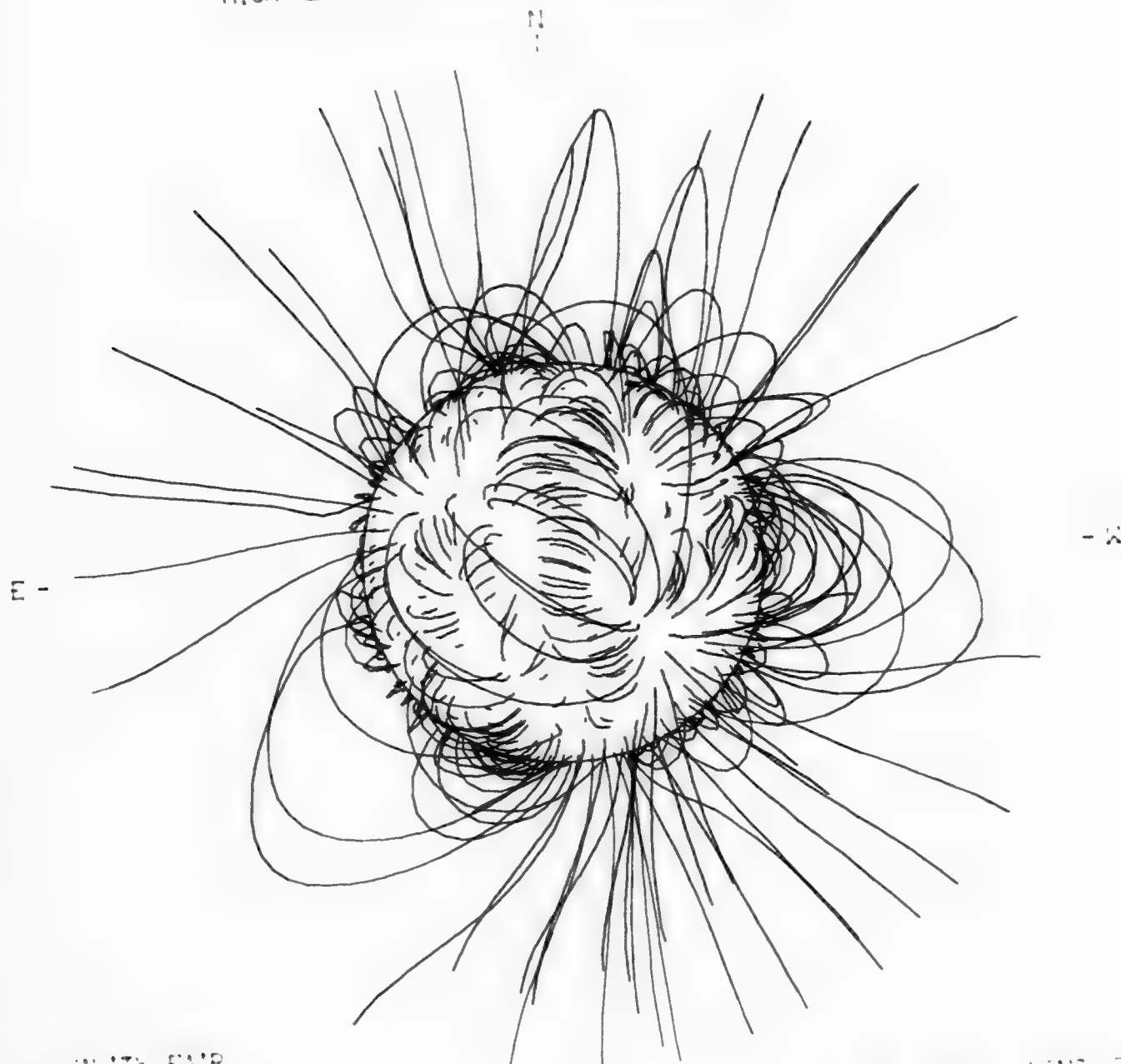
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QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

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ROT. 1524 LONG. 250°
13.3 AUG 1967

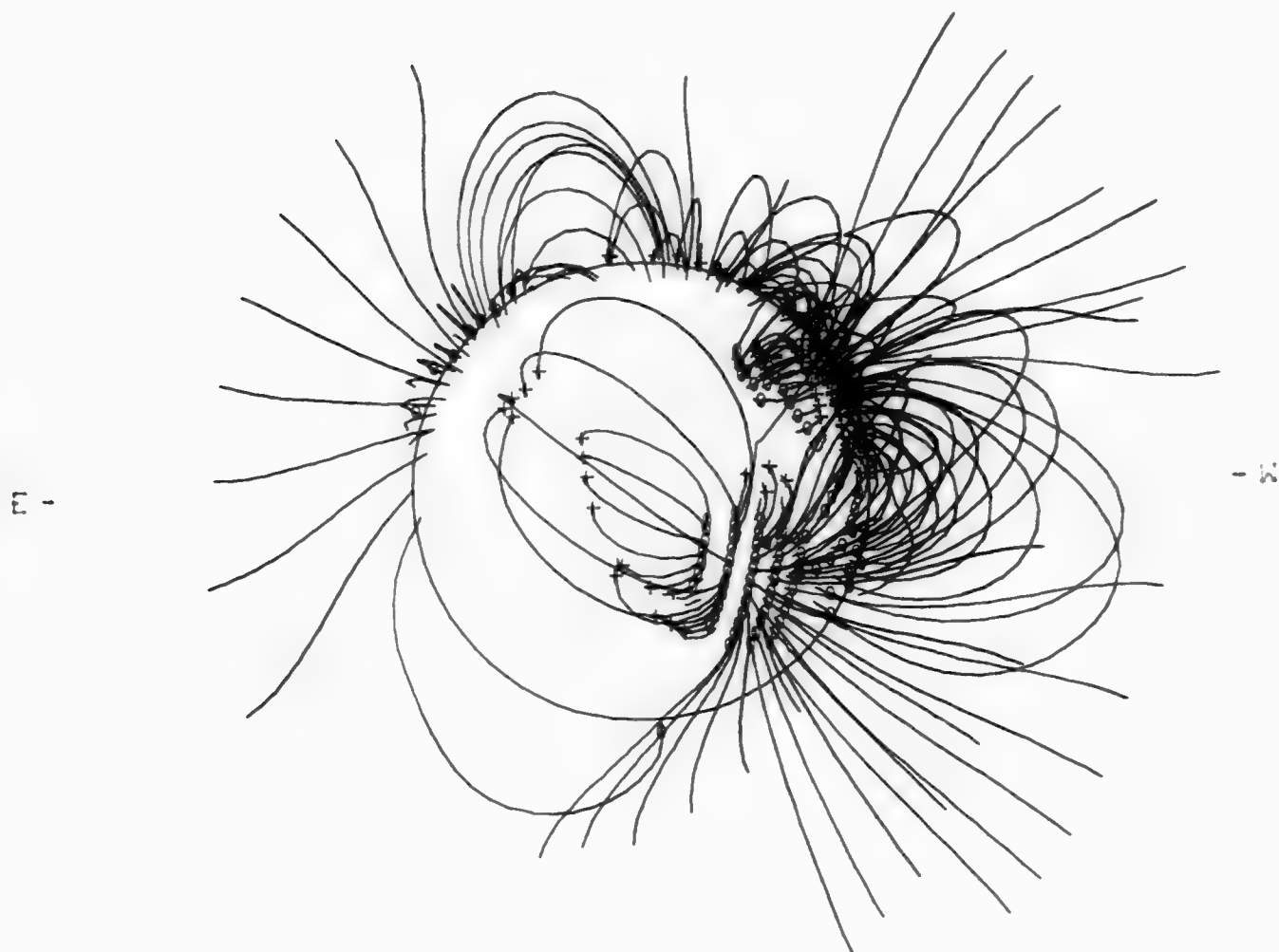
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

ROT. 1524 2013. 244°
12.1 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

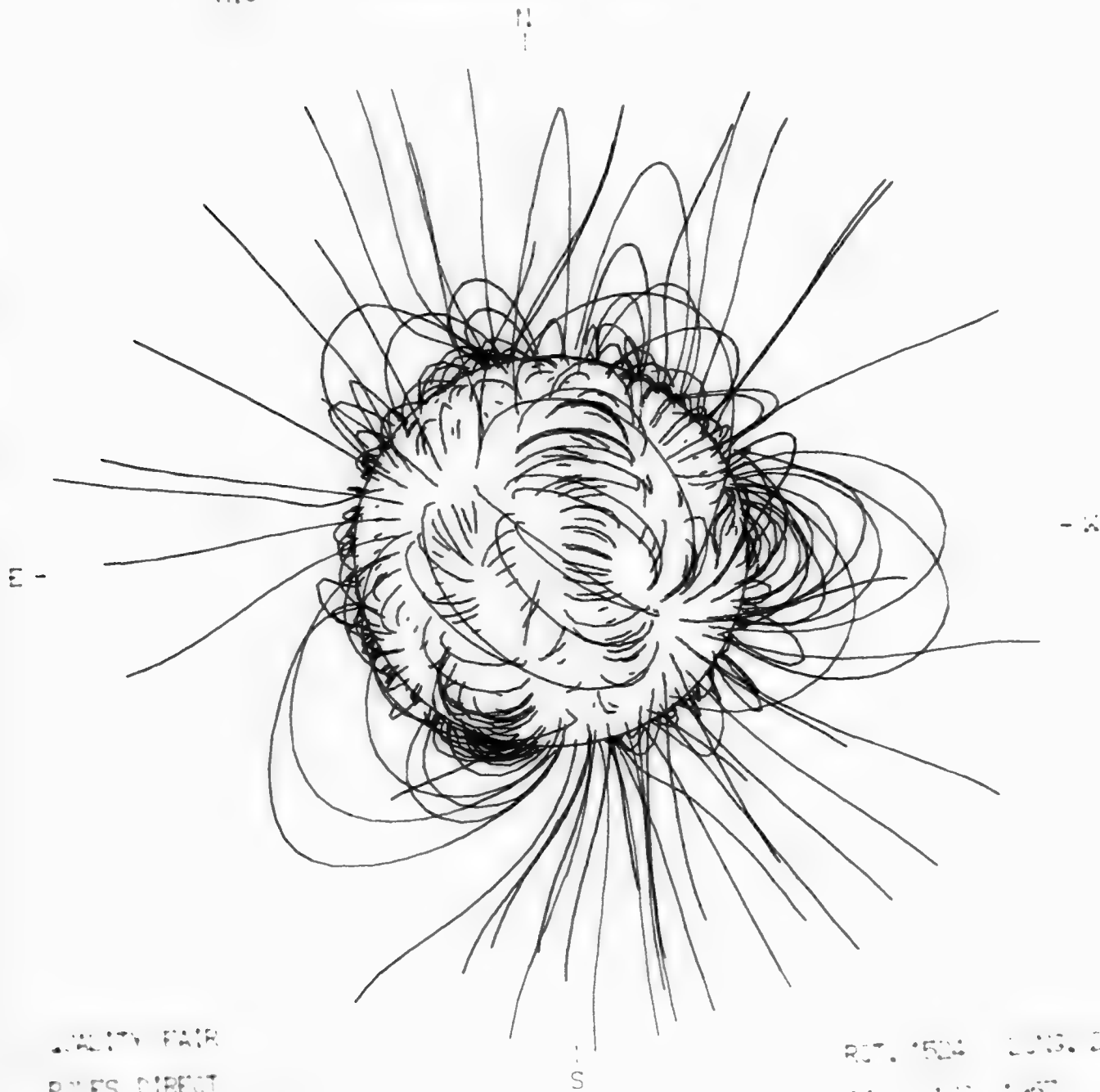
POLES DIRECT

DATA WITHIN 1524.00

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ROT. 1524 2019. 240°
12.1 200 1967

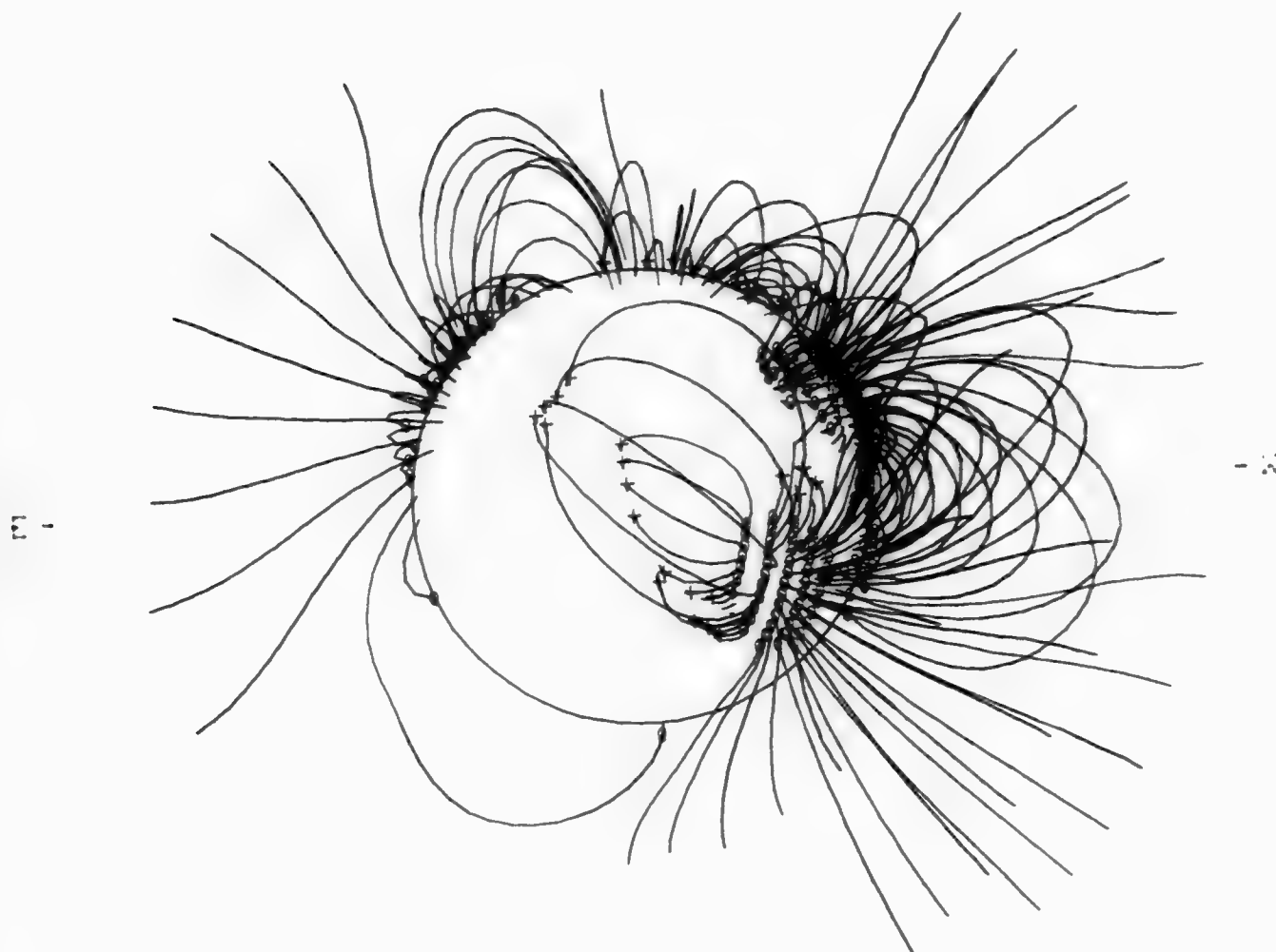
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
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REF. 1504 1013.25
 1013.25 1013.25

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

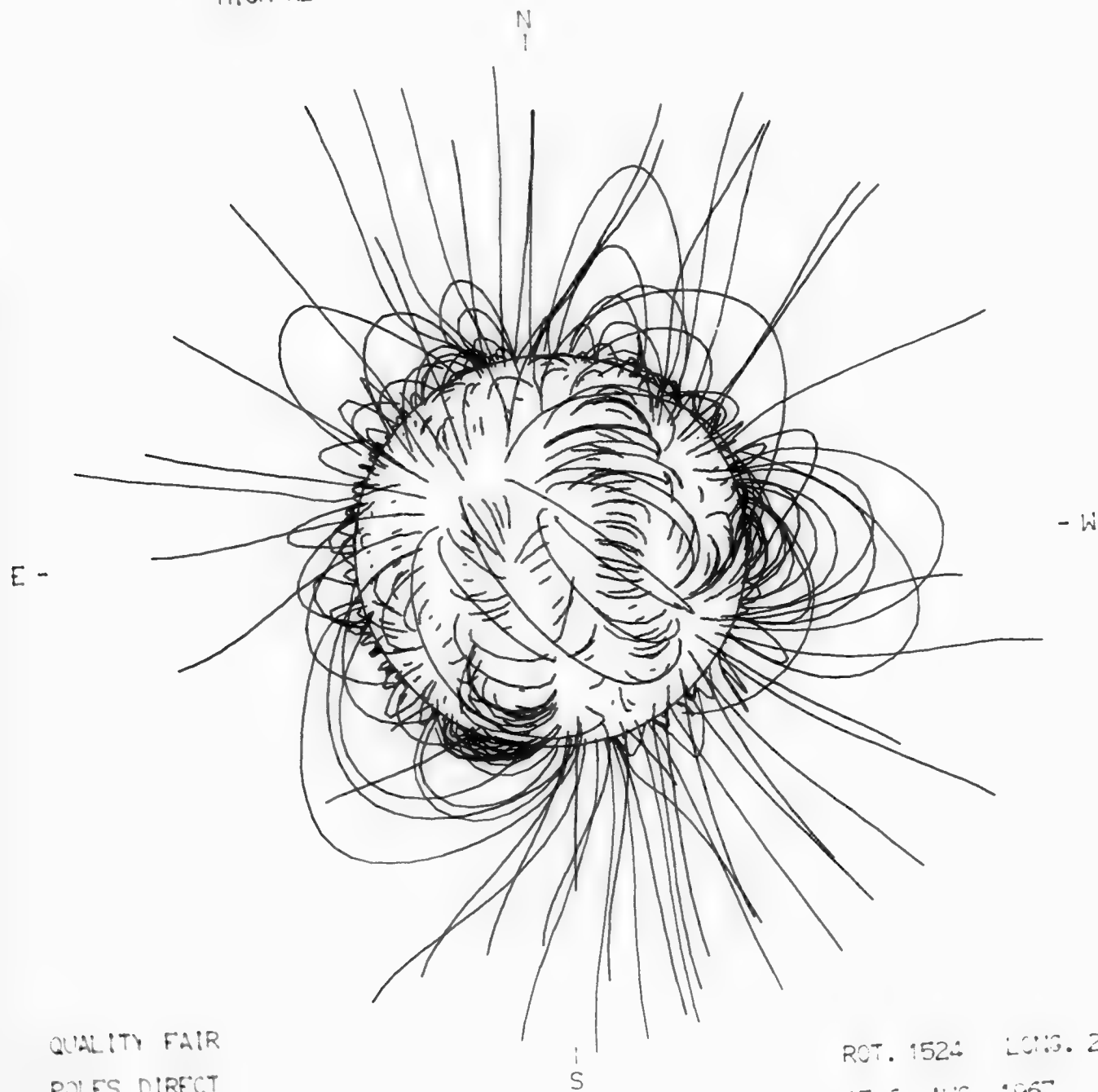


QUALITY FAIR
 PAGES DIRECT
 DATA WIND ON 1924.00

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807. '524 1110. 151
 12.0 101 156

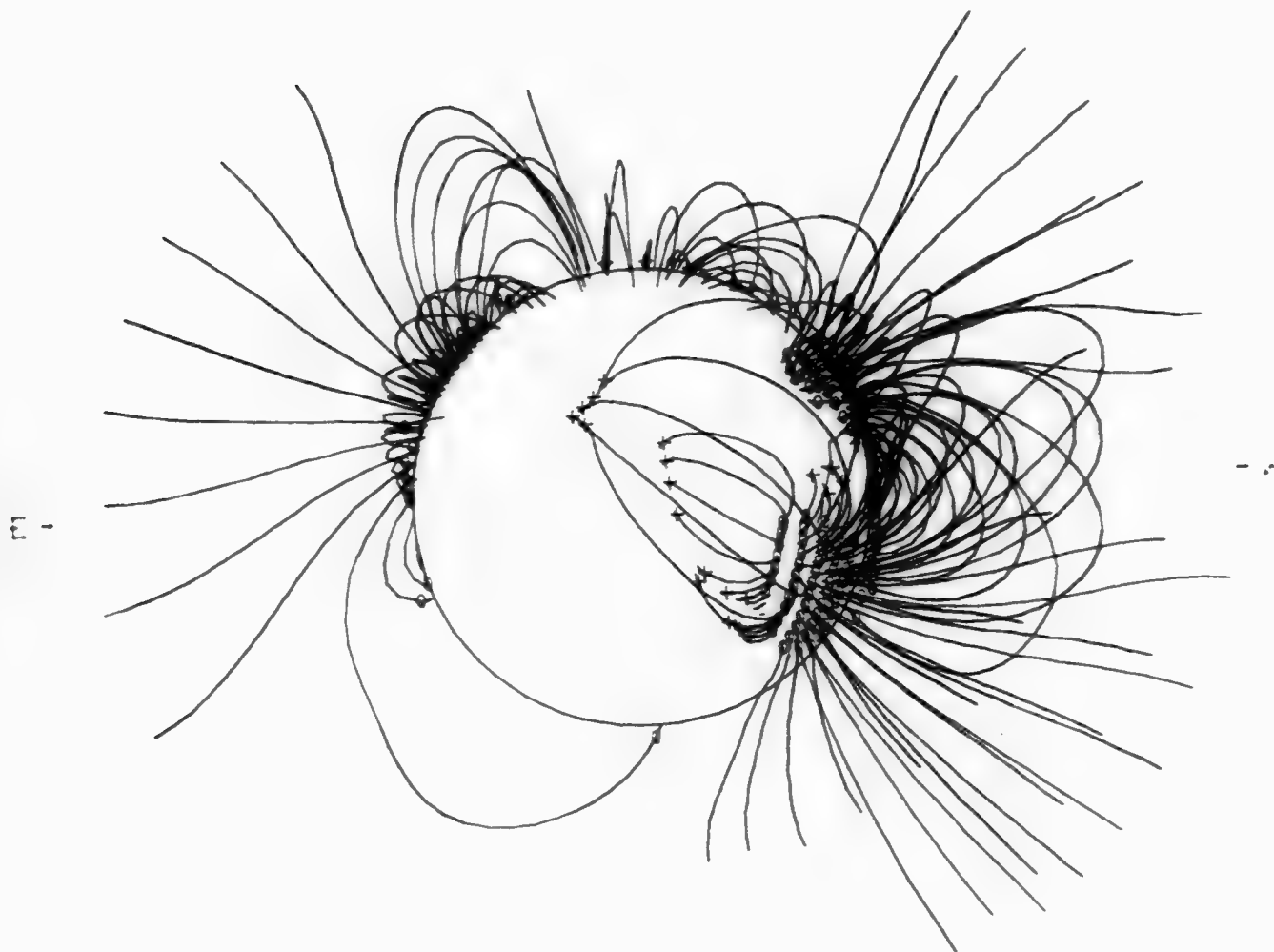
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

ROT. 1524 LONG. 220°
15.6 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

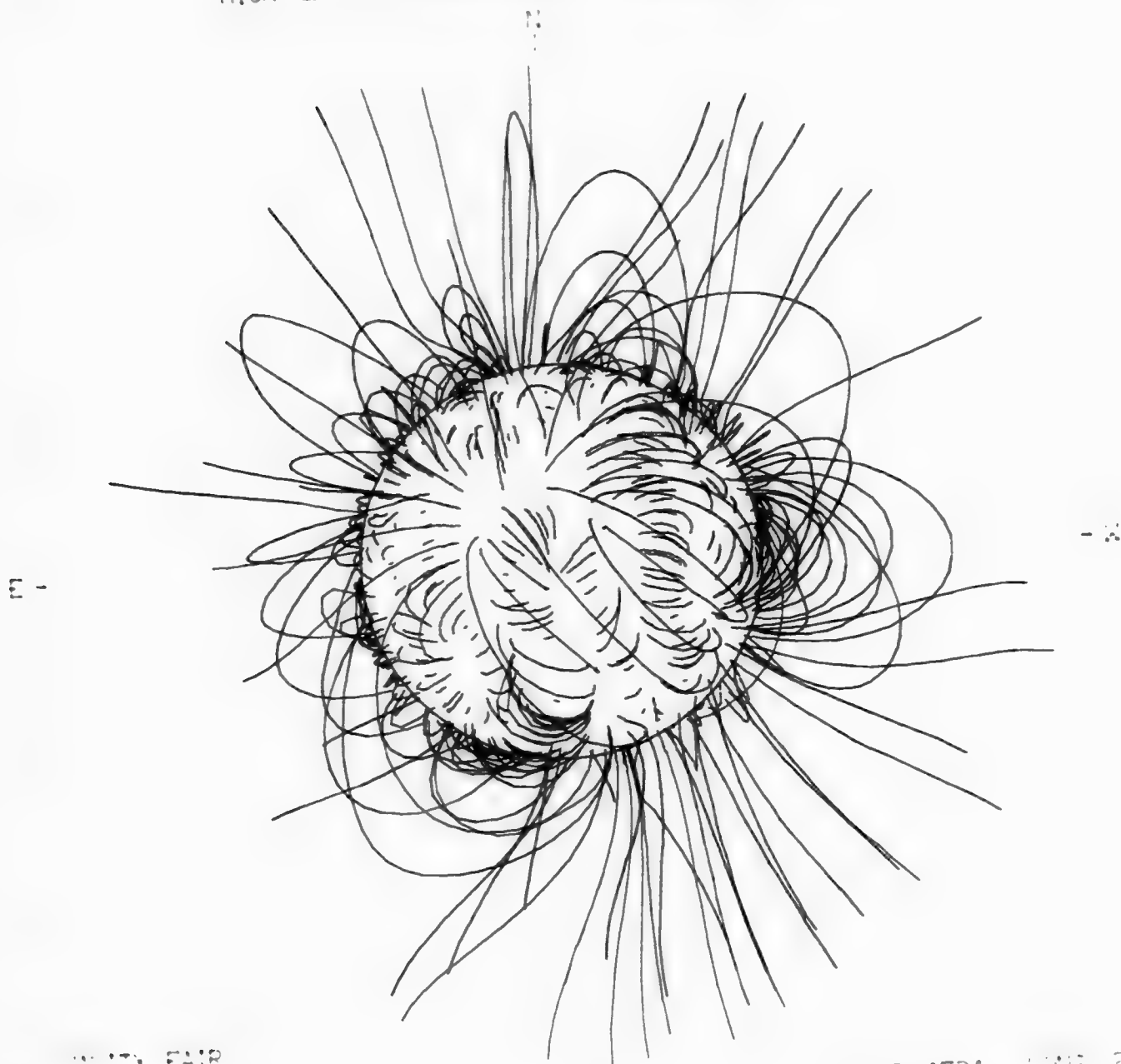


HALE FAIR
POLES DIRECT
DATA WIND LA 1504.00

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8.7. 1504 11.11. 11.11.
15.6 AUG 1967

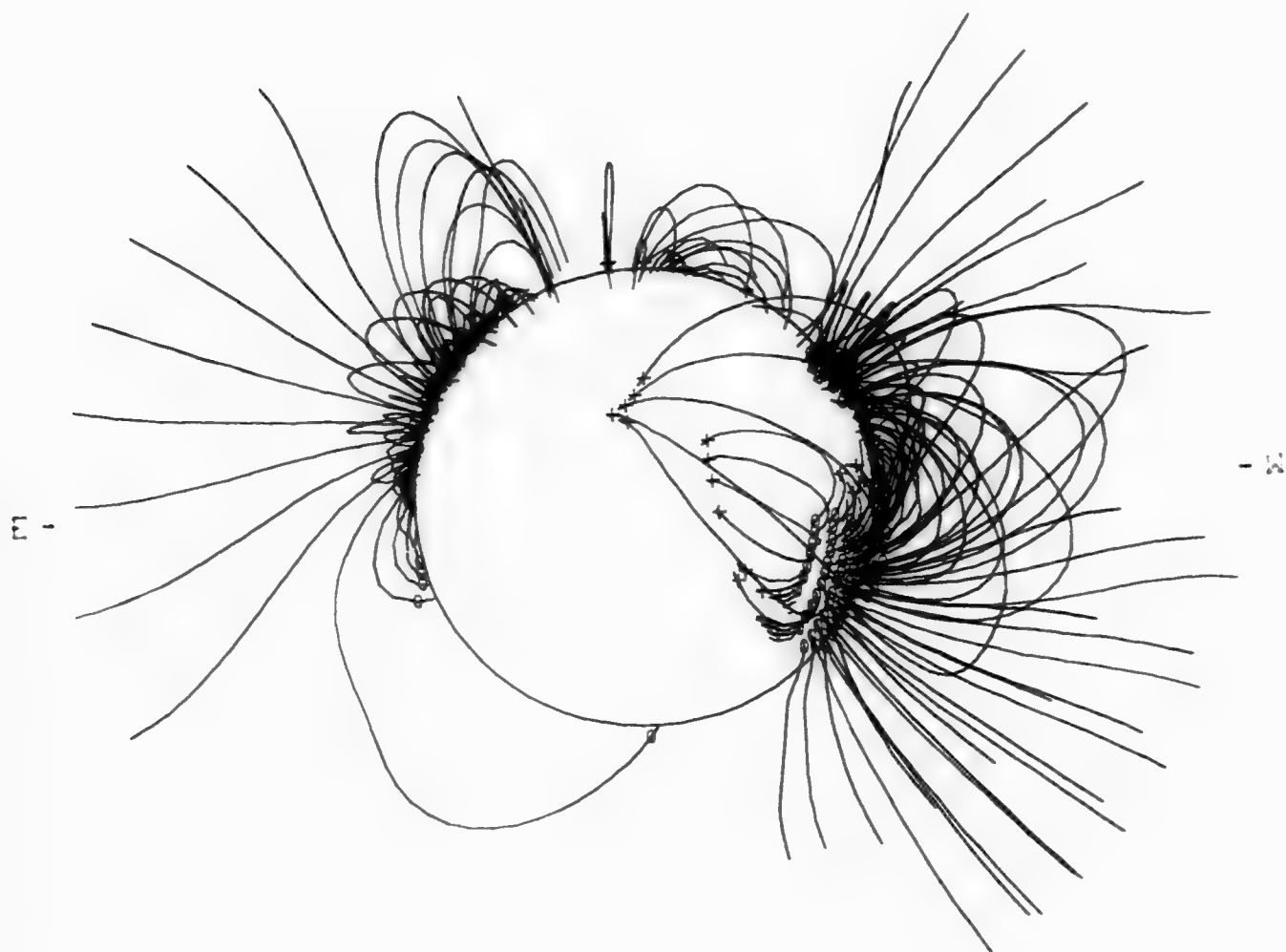
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA APRIL 1524.00

ROT. 1524 LONG. 21°
16.4 AUG 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

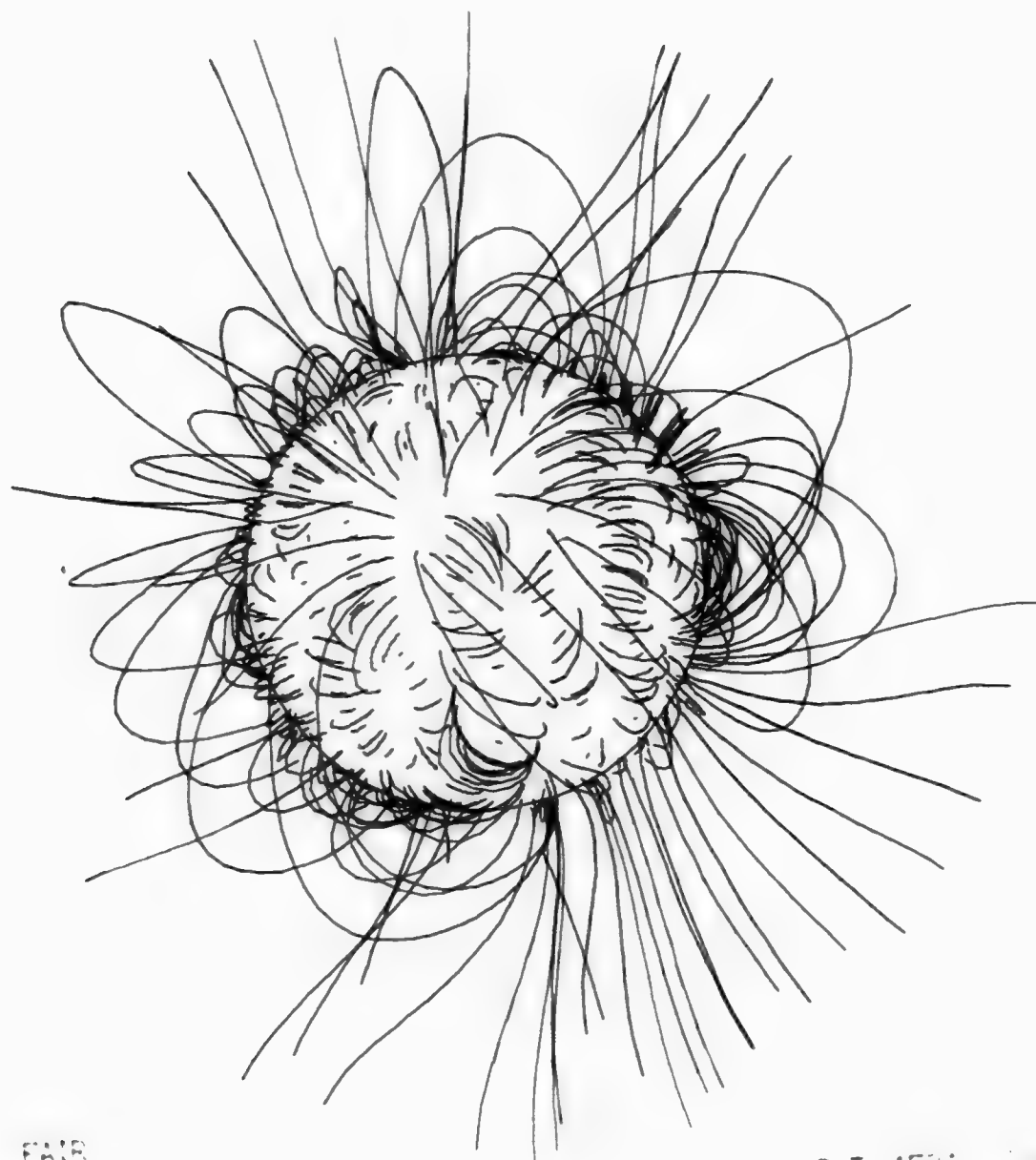


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1504.00

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ROT. 1524 LUN. 210°
16.4 ROT 150°

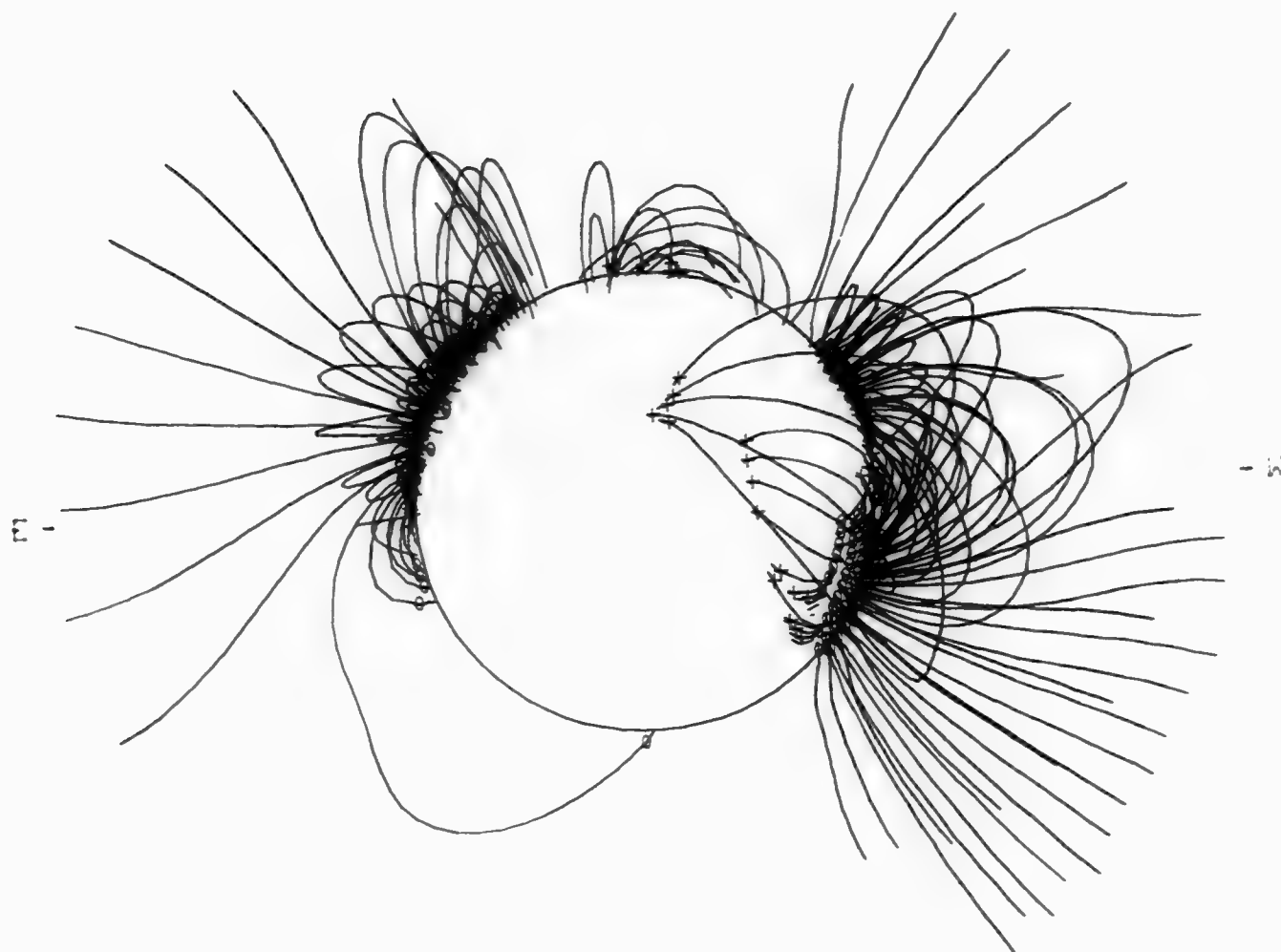
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PILES DIRECT
 DATA APRIL 15 1964

R.T. 1524 1000. 200°
 17. 100 100°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

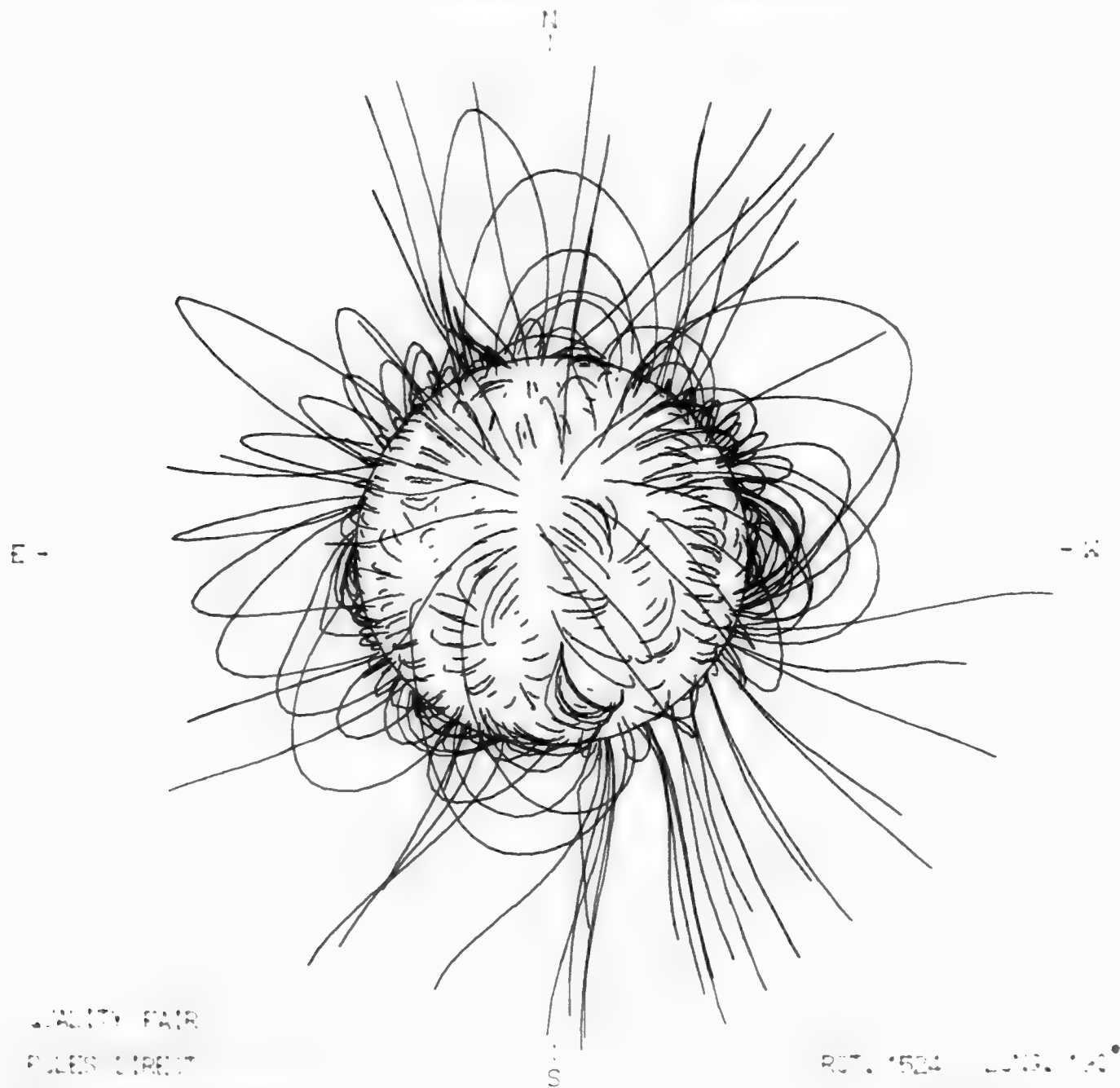


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1524.00

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ROT. 1524 LONG. 200°
 17. AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES CURRENT

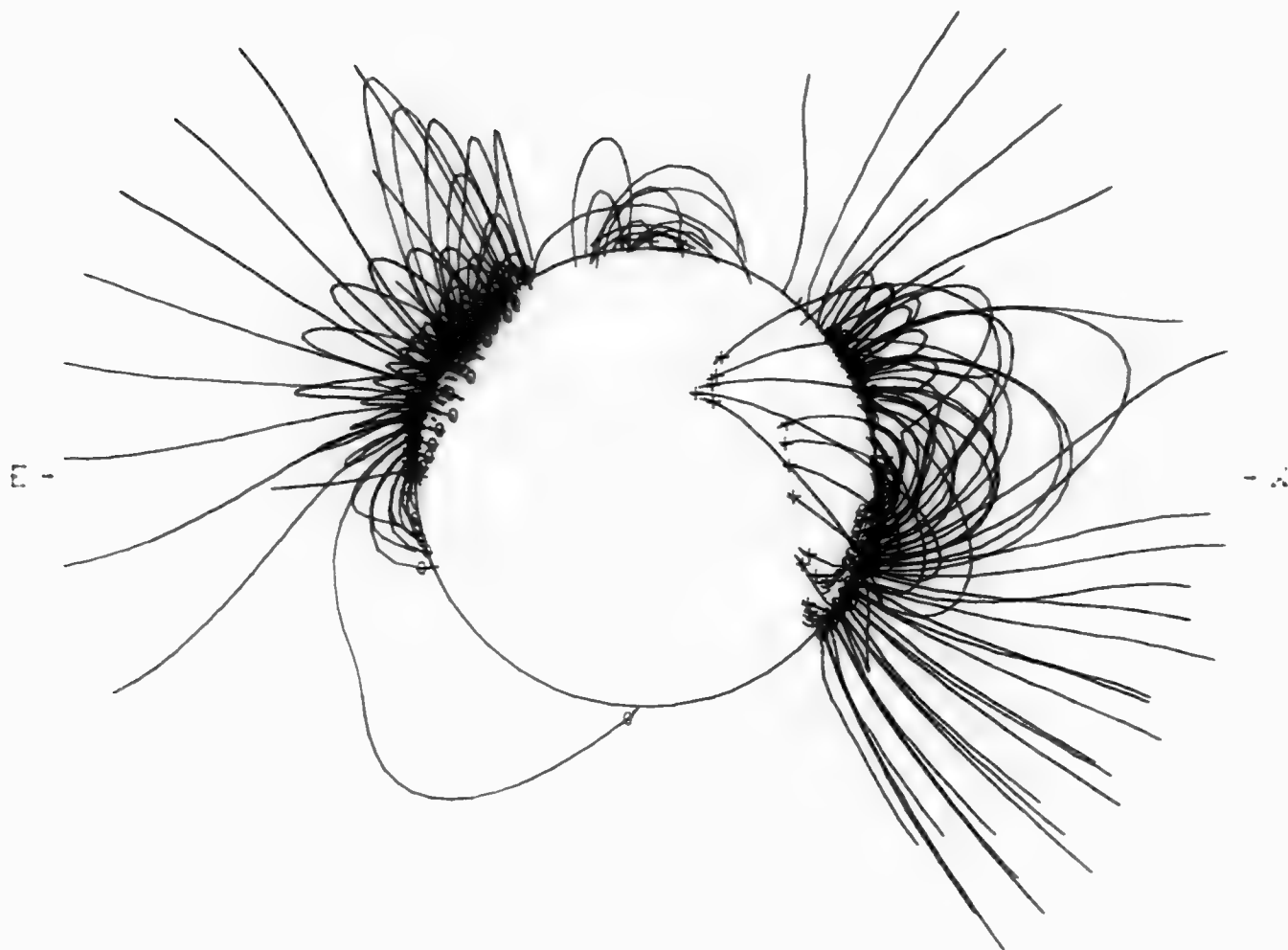
DATA AVAILABLE 10/14/00

ROT. 1524 LONG. 120°

17.5 120 120°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

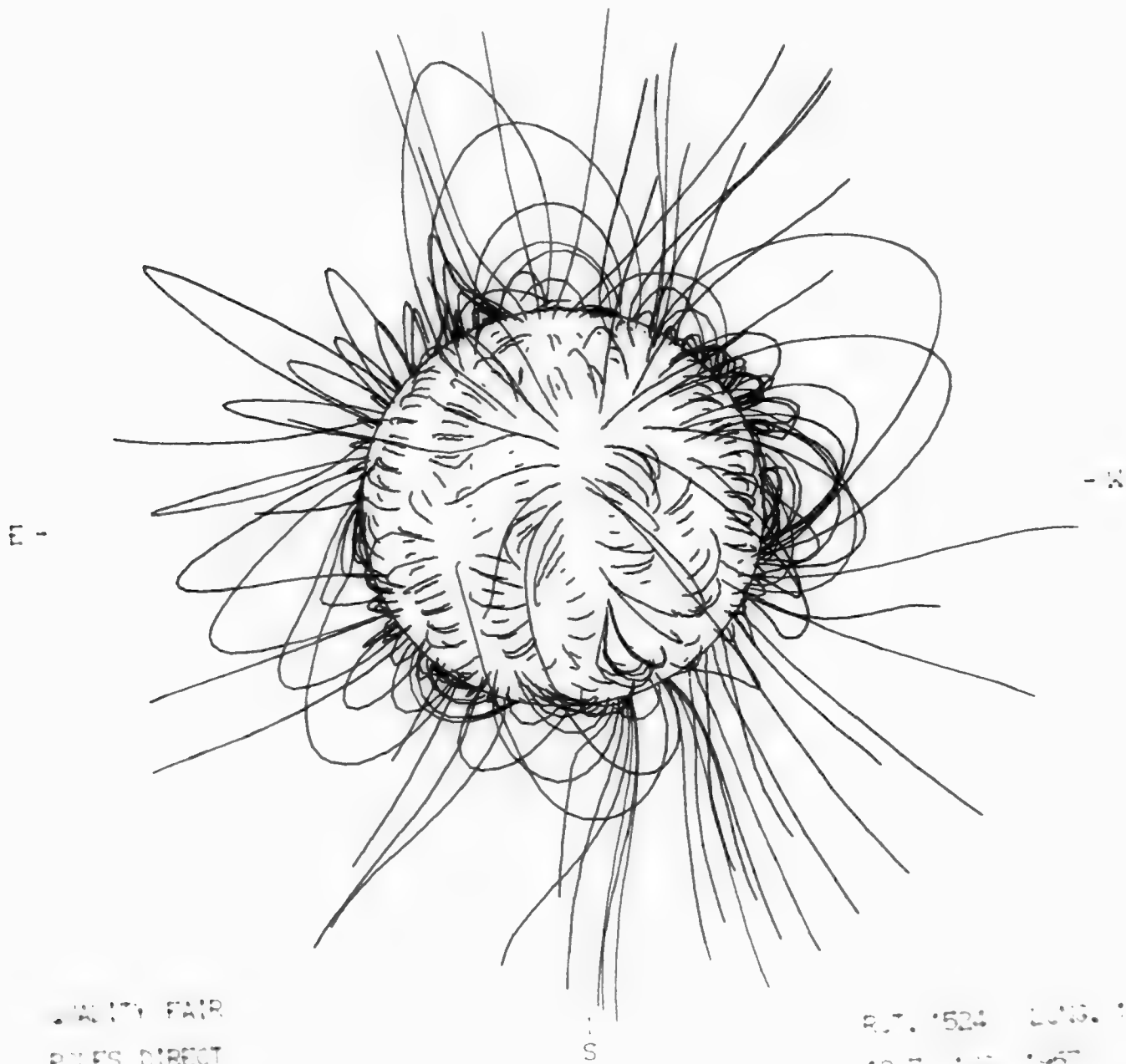
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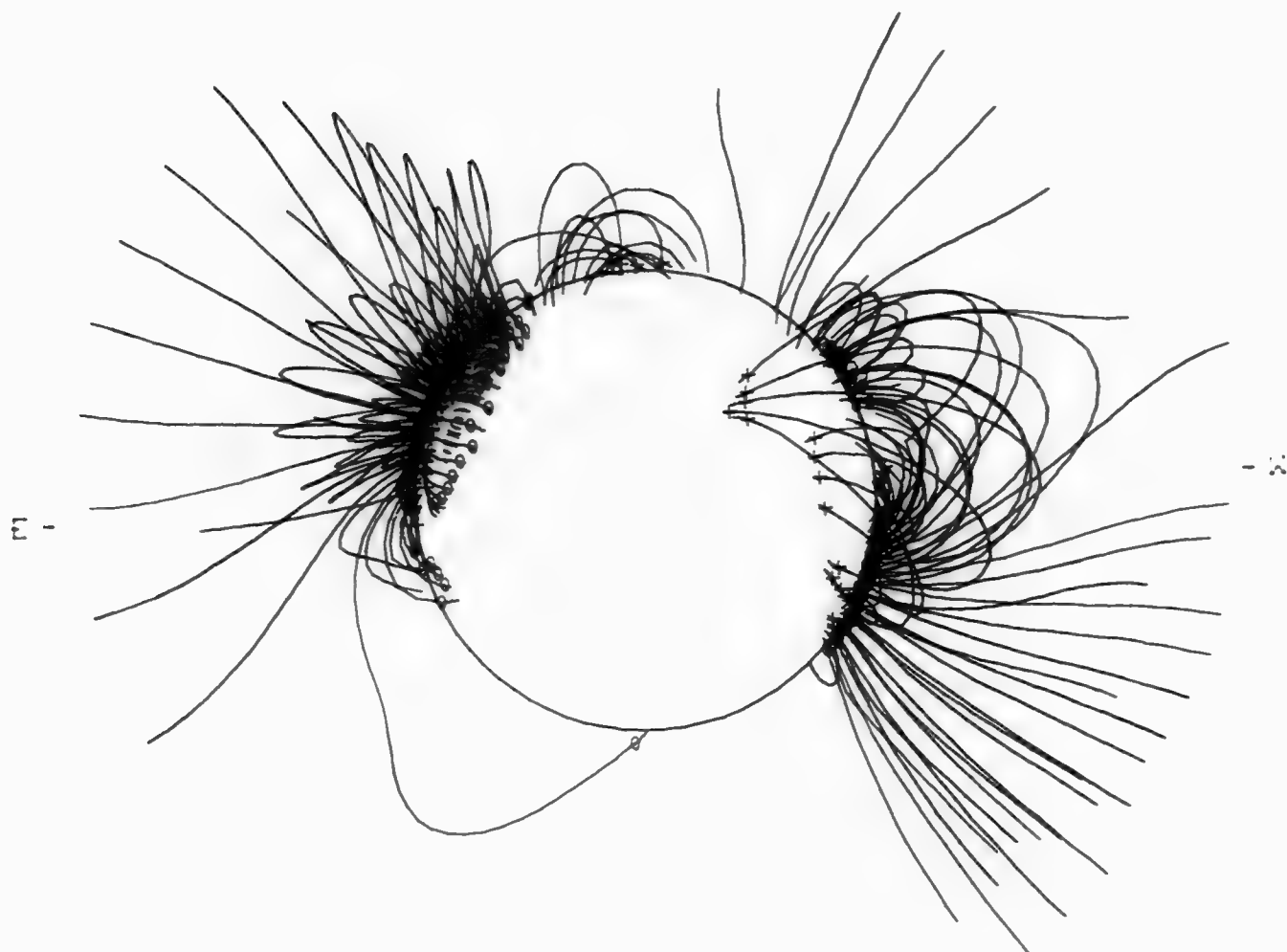
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

R.T. 1524 LONG. 180°
18.7 200 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

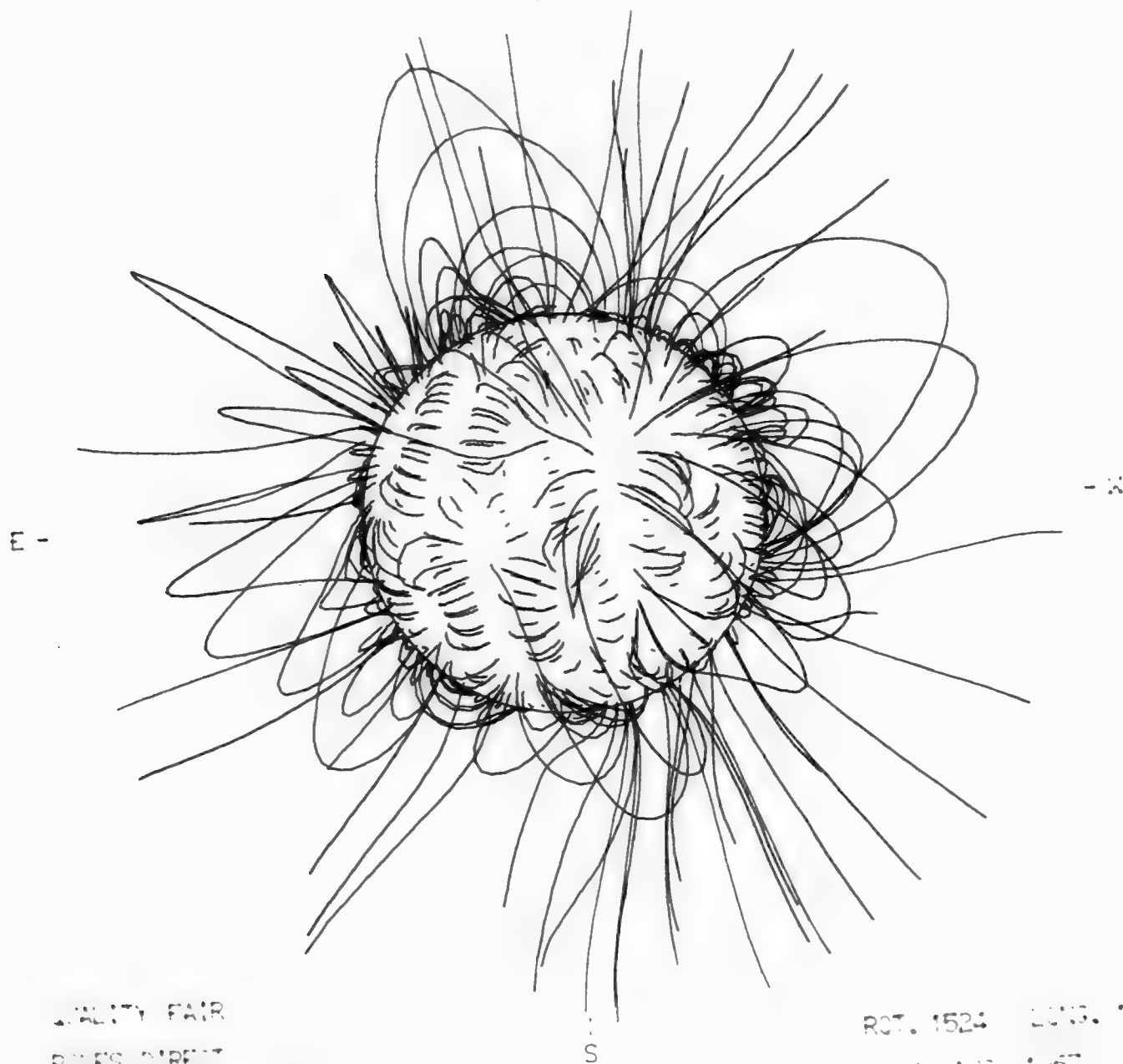


QUALITY FAIR
POLES DIRECT
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18.7 AUG 1967

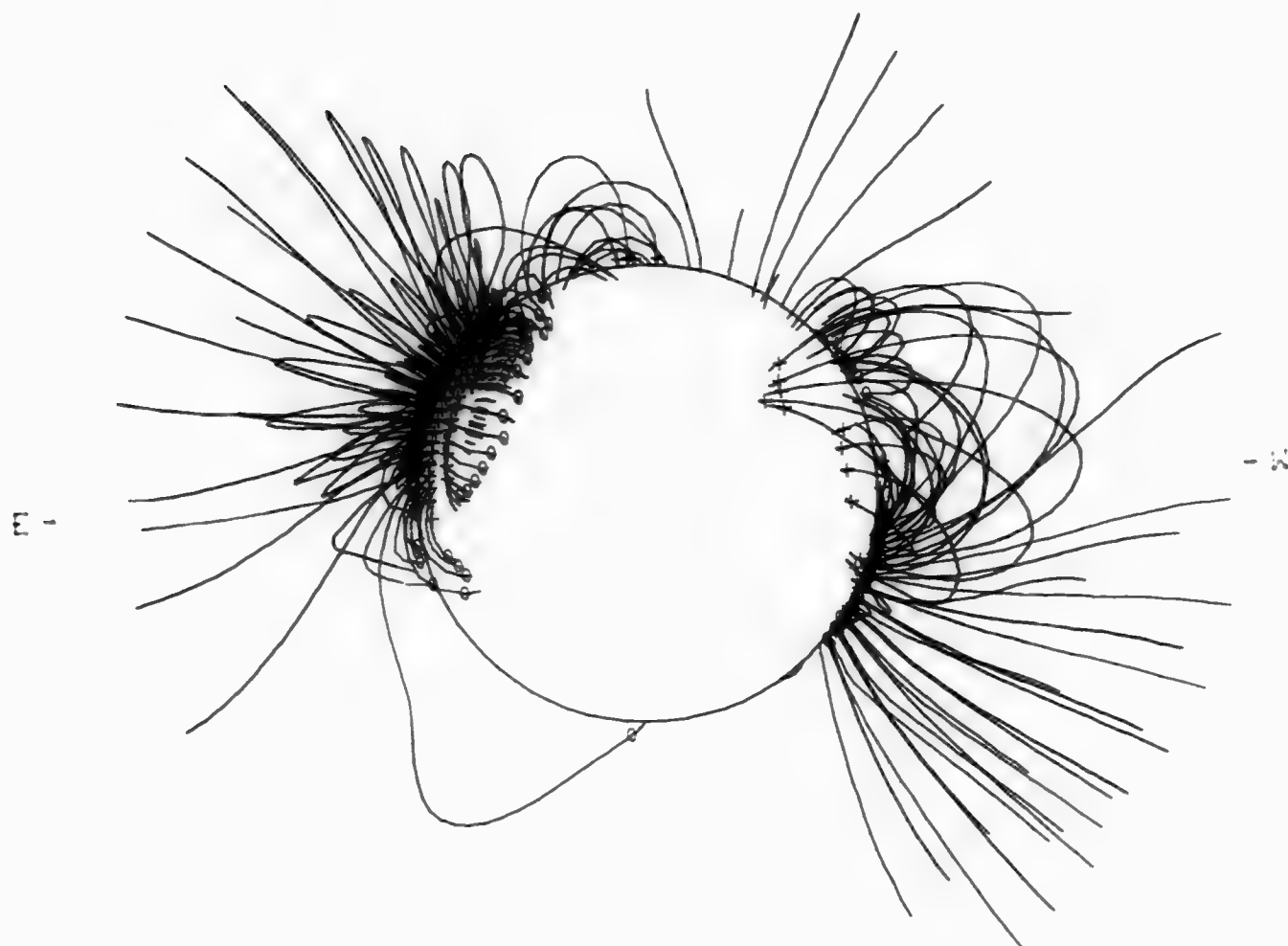
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA WIND IN 1524.00

ROT. 1524 LONG. 170°
 19.4 AUG 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

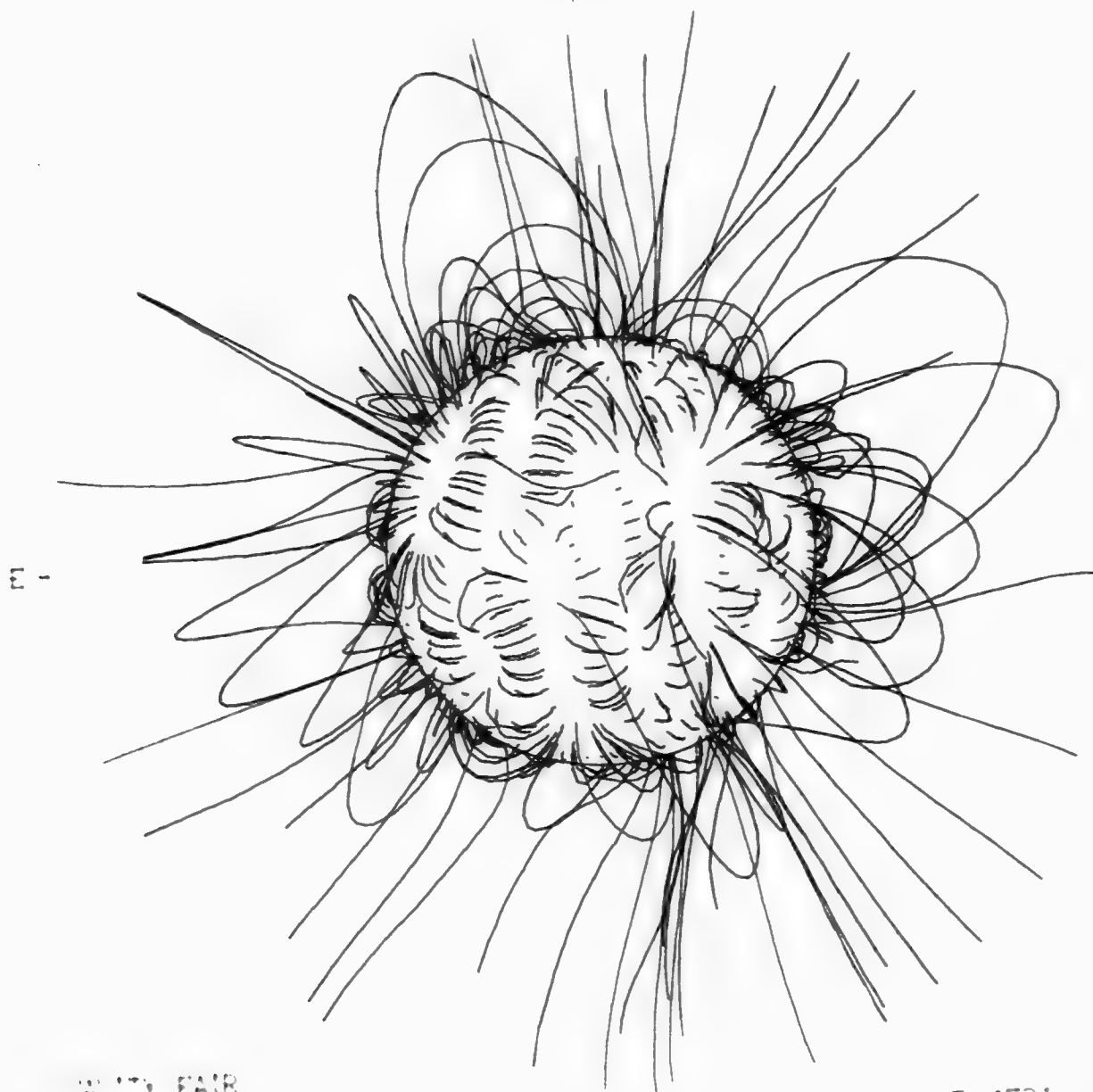


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1524.00

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RET. 1524 LUG. 1967
 15.4 205 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

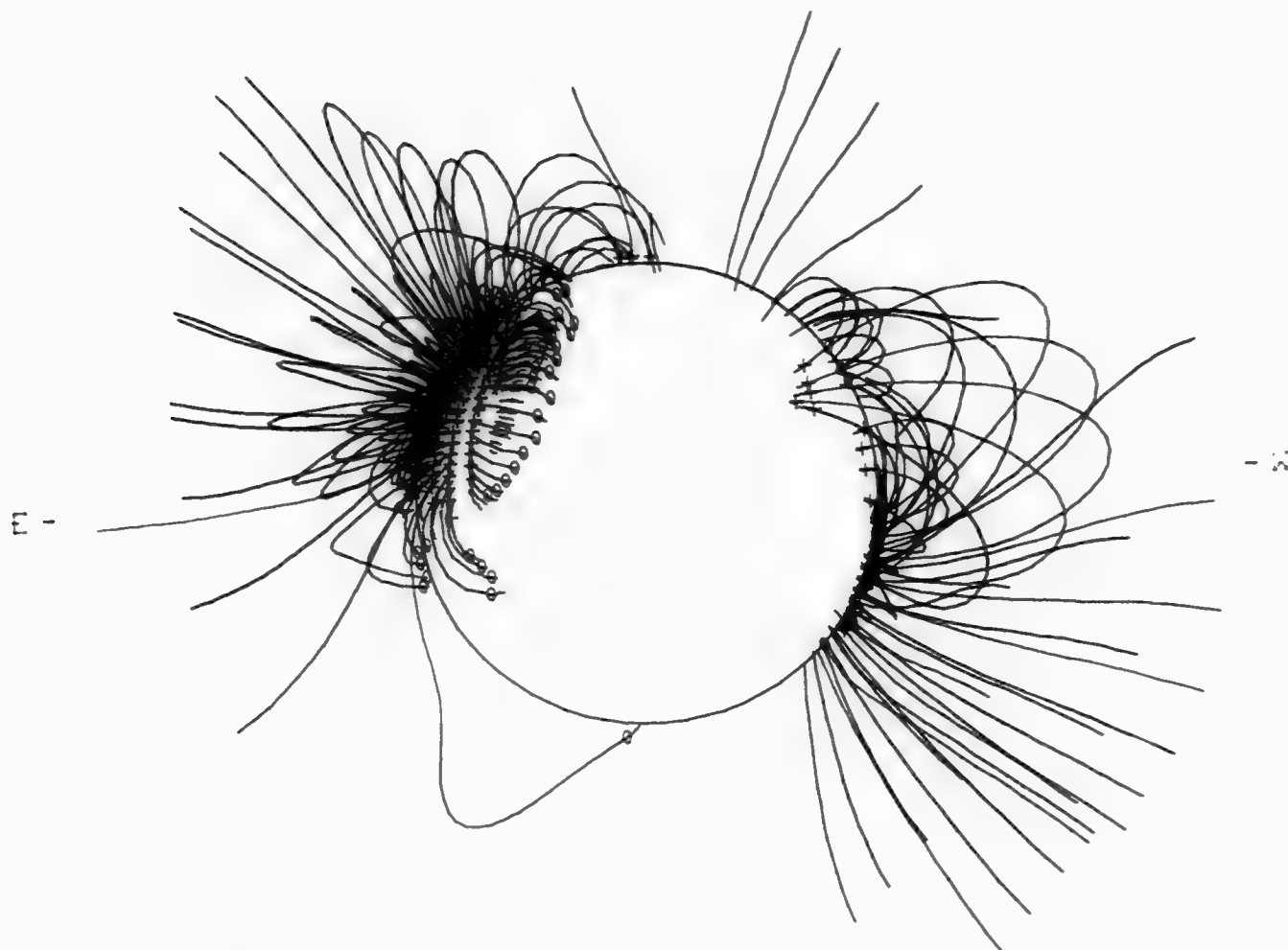


QUALITY FAIR
 PLENTY DIRECT
 DATA WITH IN 1500.00

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RCT. 1524 1000.100
 20.0 100 100

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

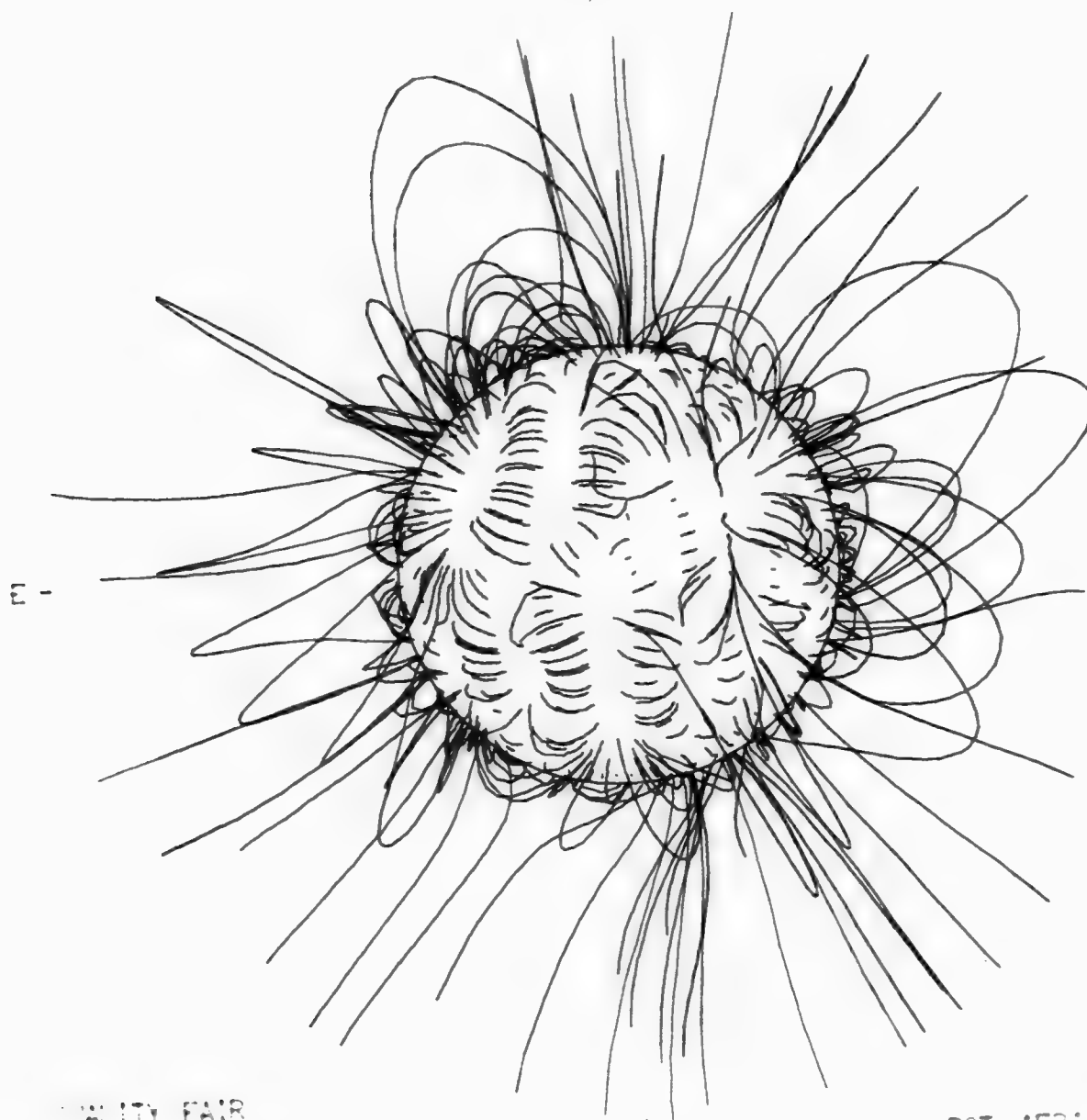


QUALITY FAIR
 PLEN DIRECT
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RET. '524 1116. '50
 20.2 AUG '55

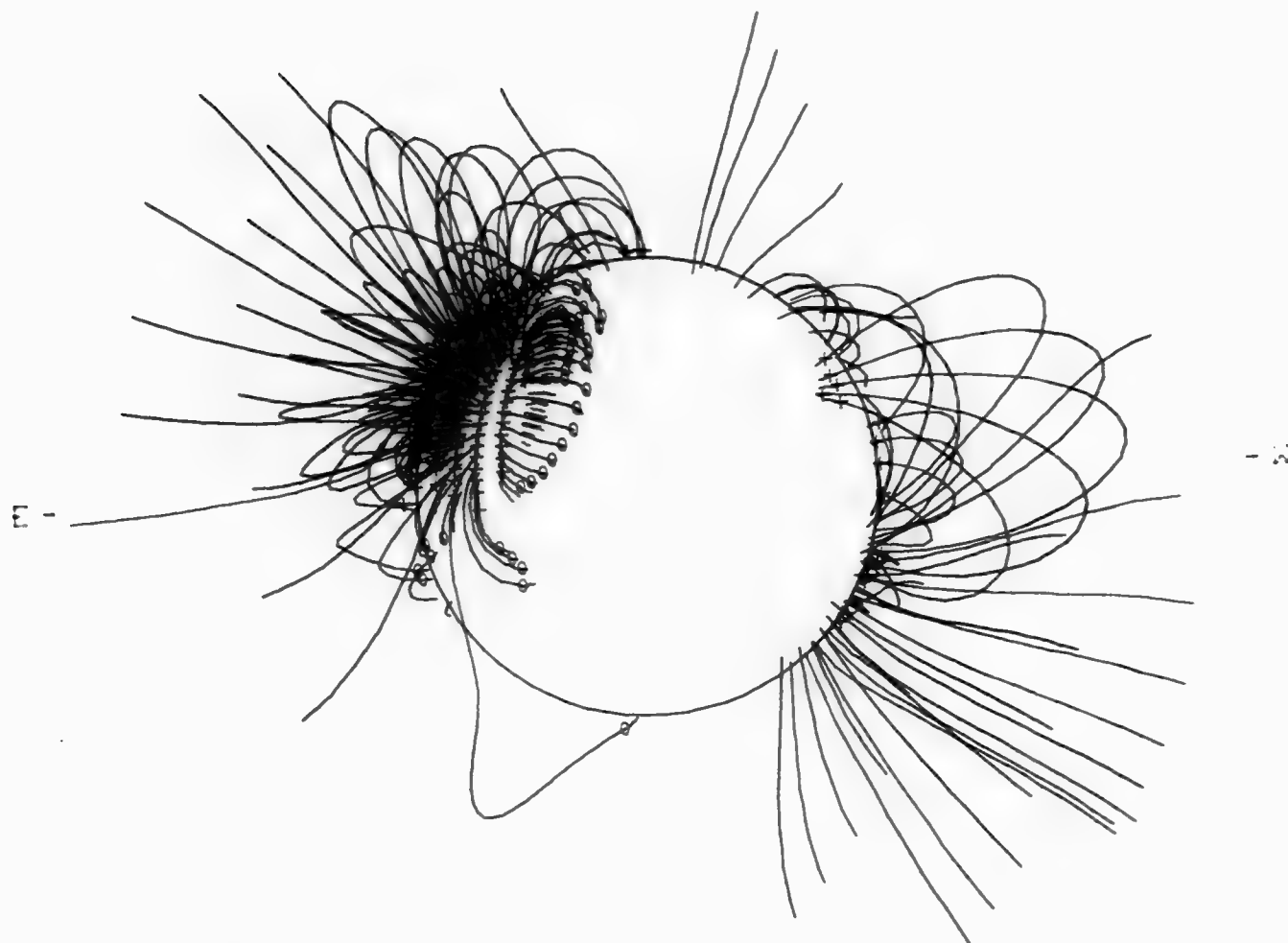
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

ROT. 1524 LONG. 150°
20.9 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

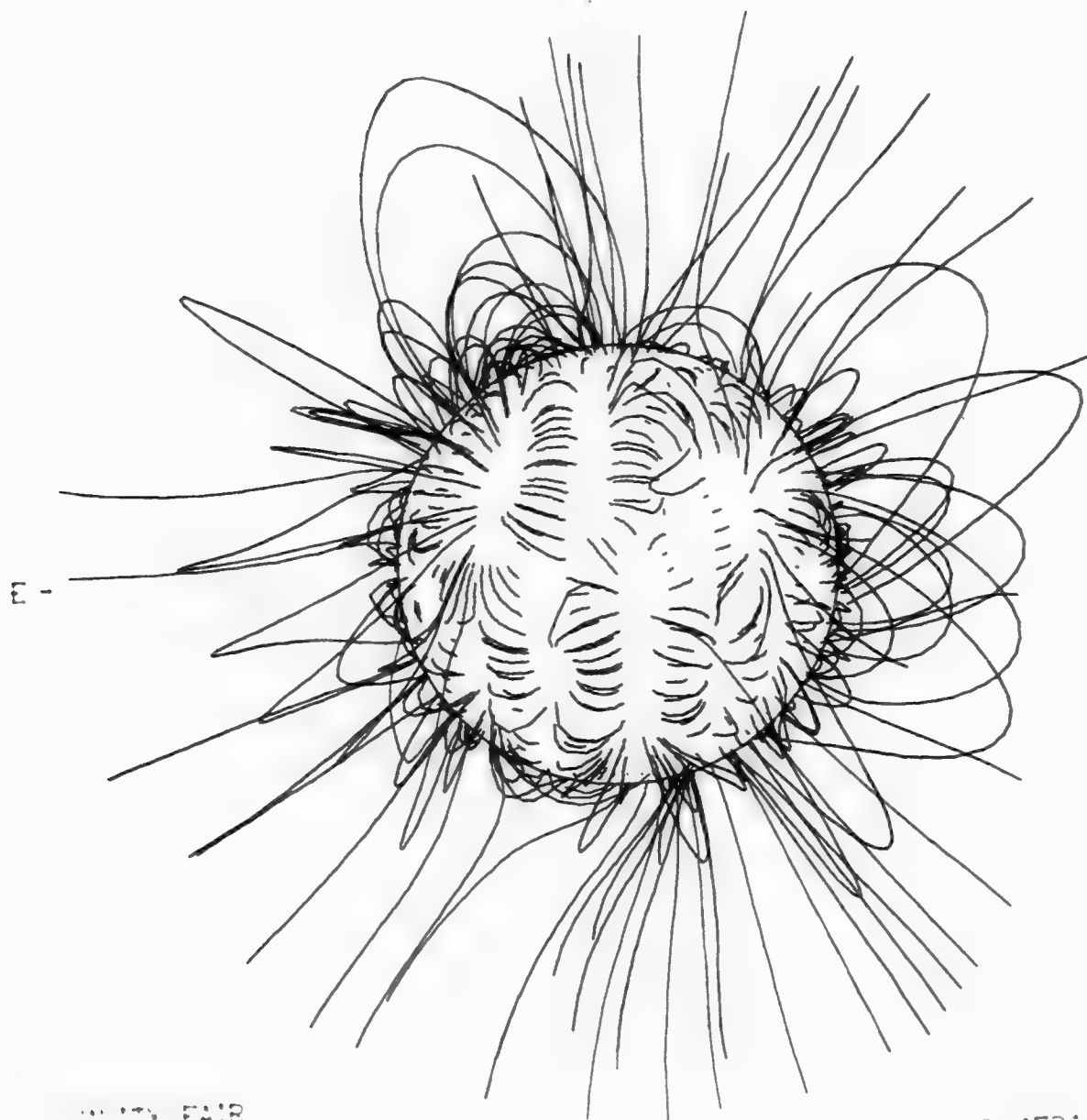


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

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ROT. 1524 LONG. 151°
20.9 AUG 1967

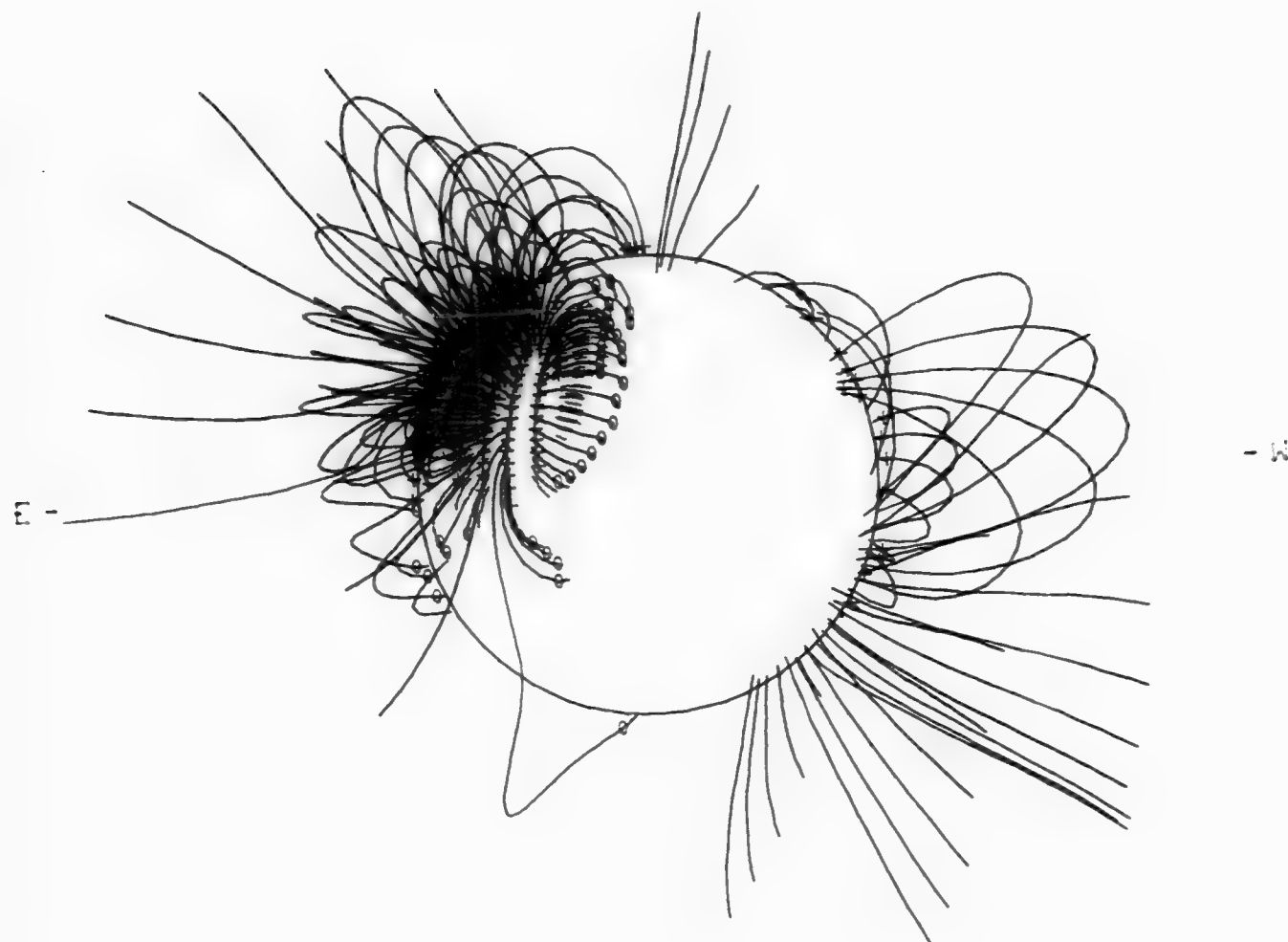
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA APR 1954.00

R.T. 1524 LUG. 1954
21.7 AUG 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

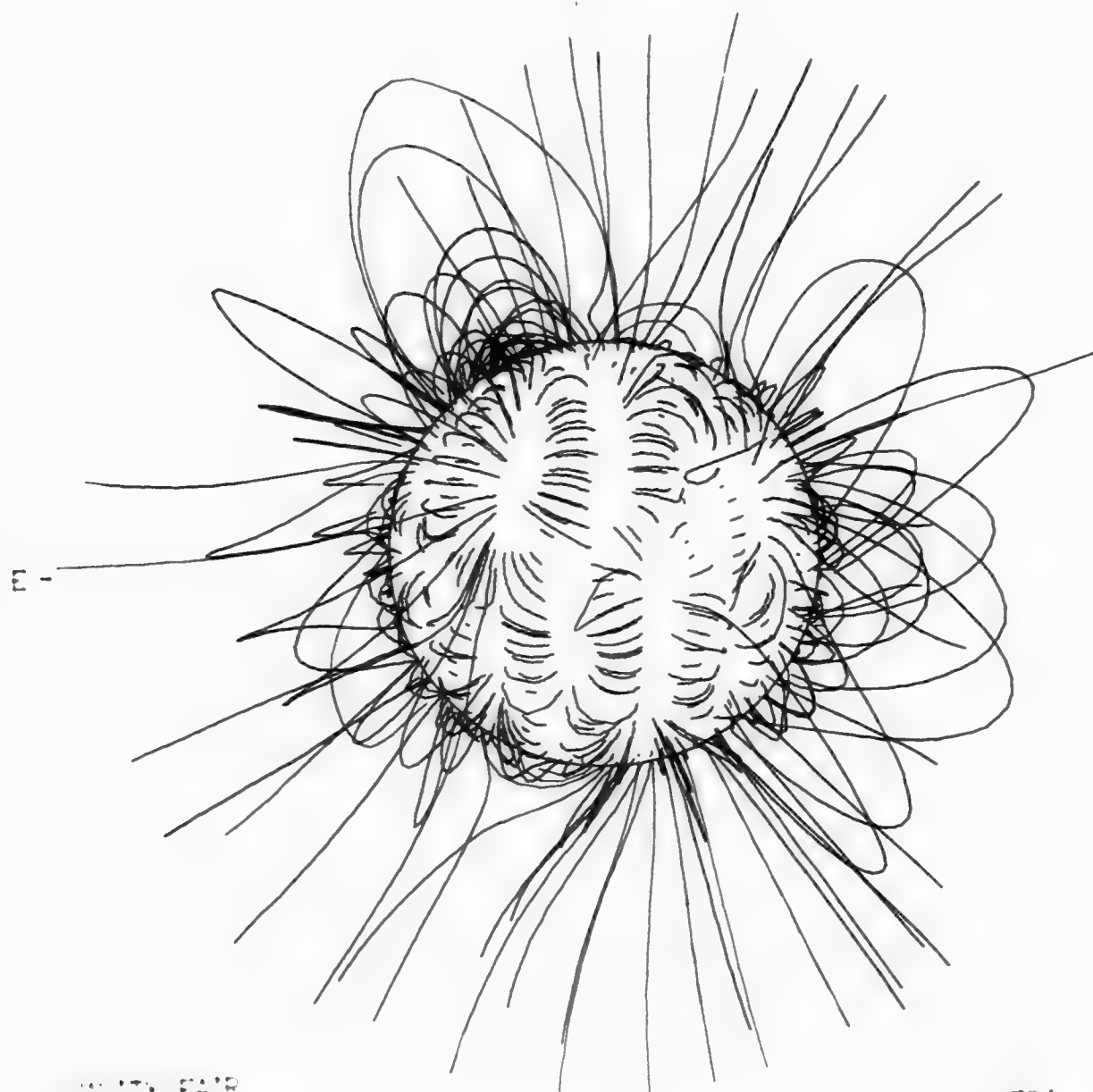


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1524.00

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ROT. 1524 2016. 140°
 21.7 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

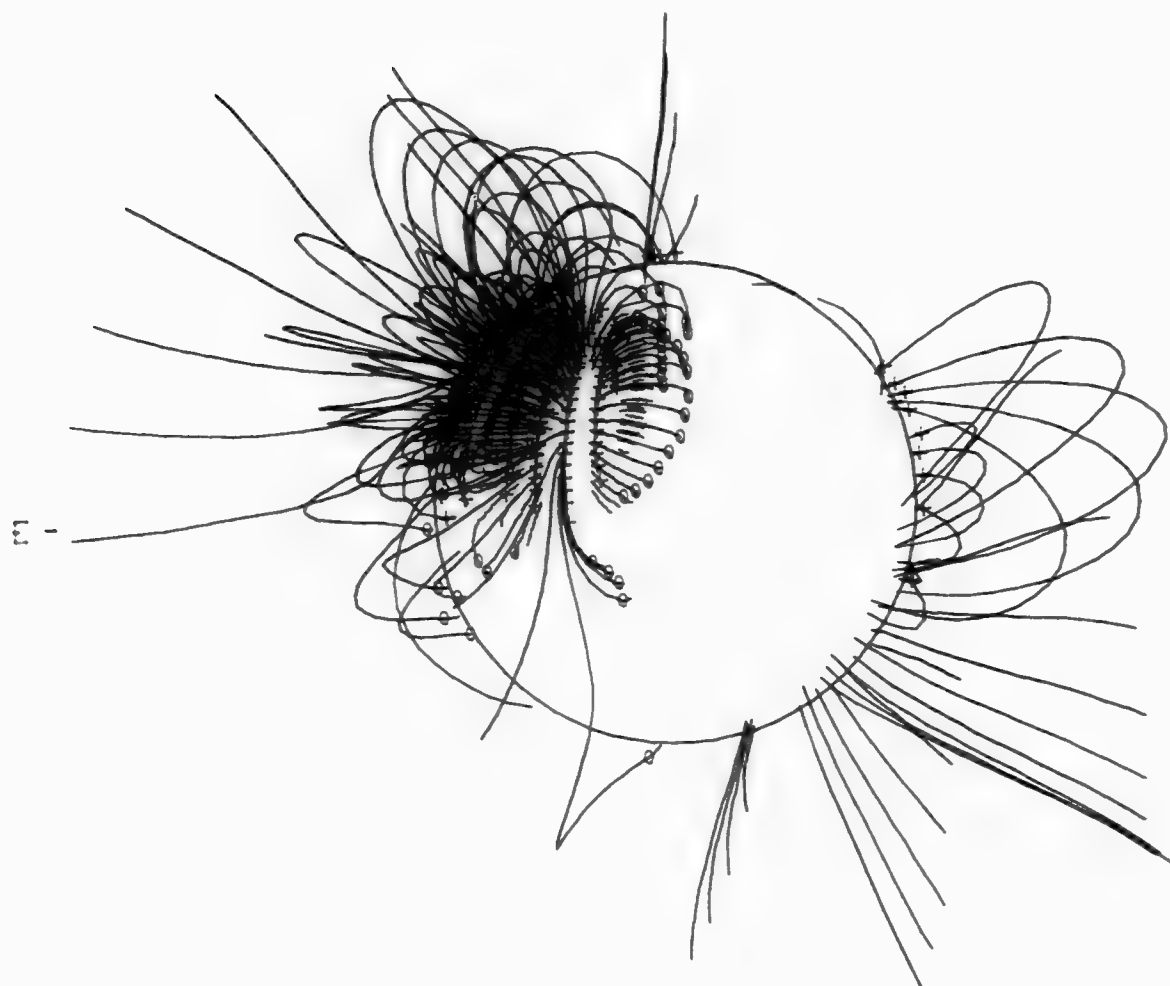


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.00

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207.524 2113.131
22.4 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

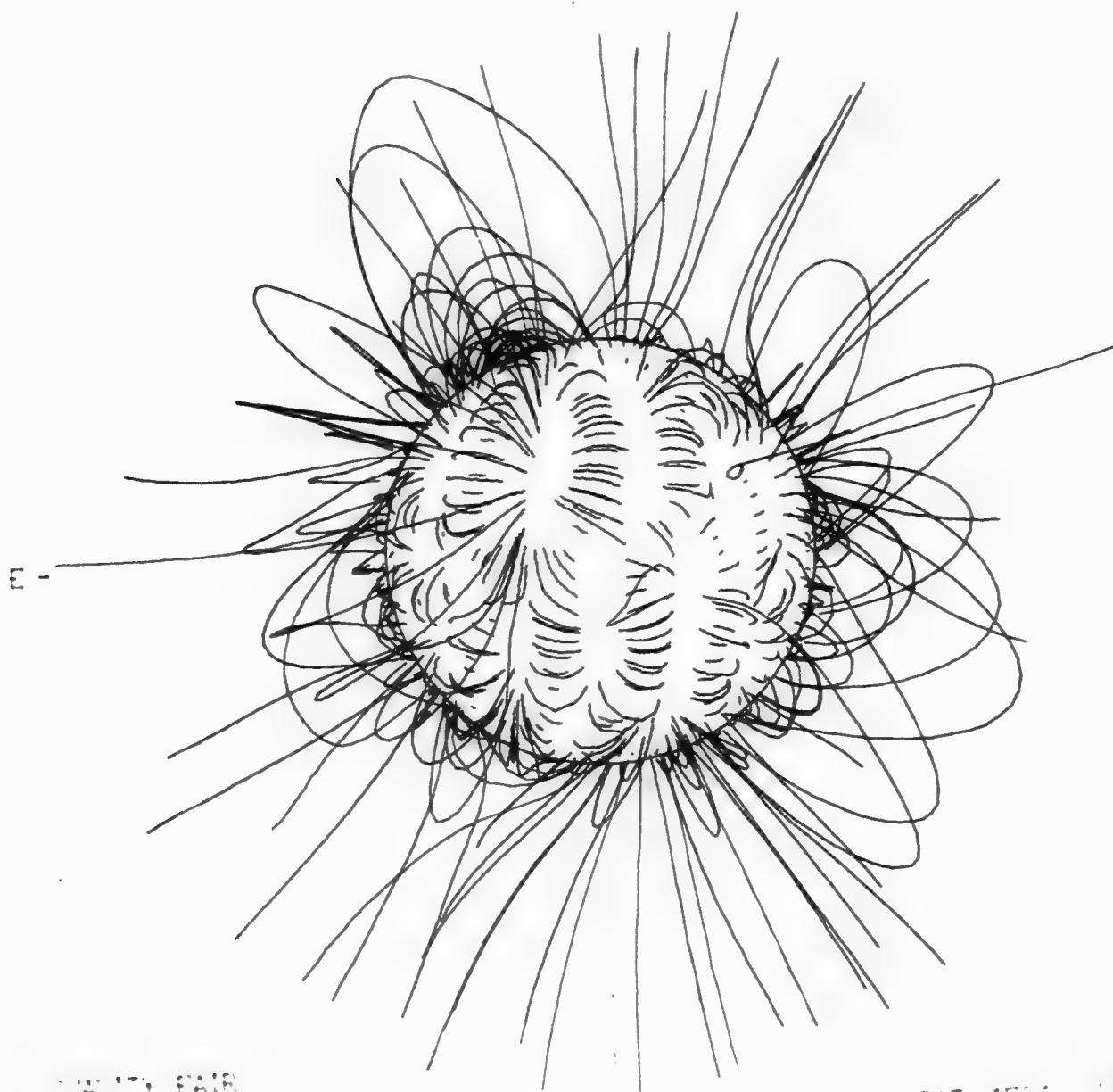


QUALITY FAIR
 RULES DIRECT
 DATA APPROX 1504.00

S

R.T. 1524 LING. 130°
 21.4 AM 146°

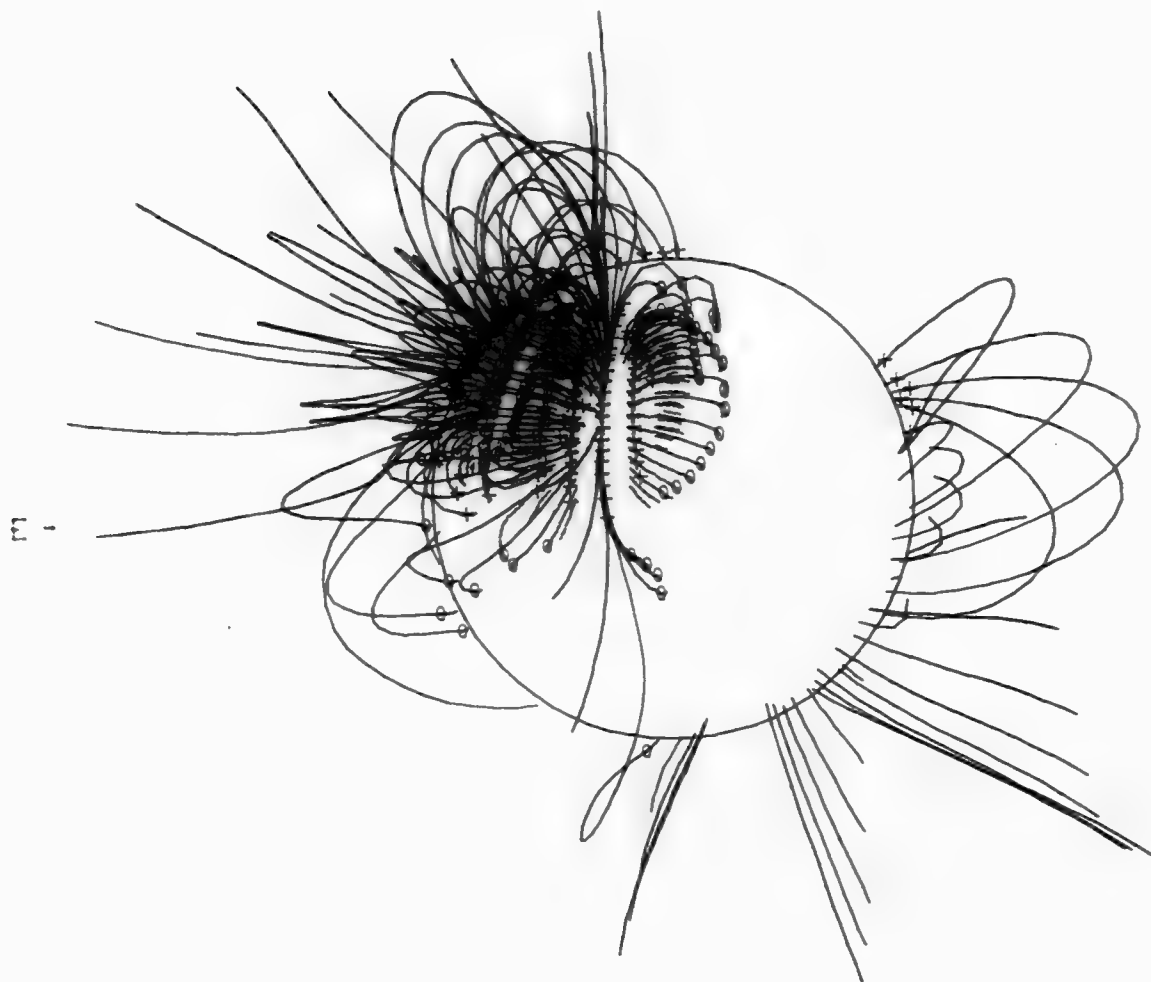
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA RANGE 1504.00

ROT. 1524 2015. 121°
 23.2 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

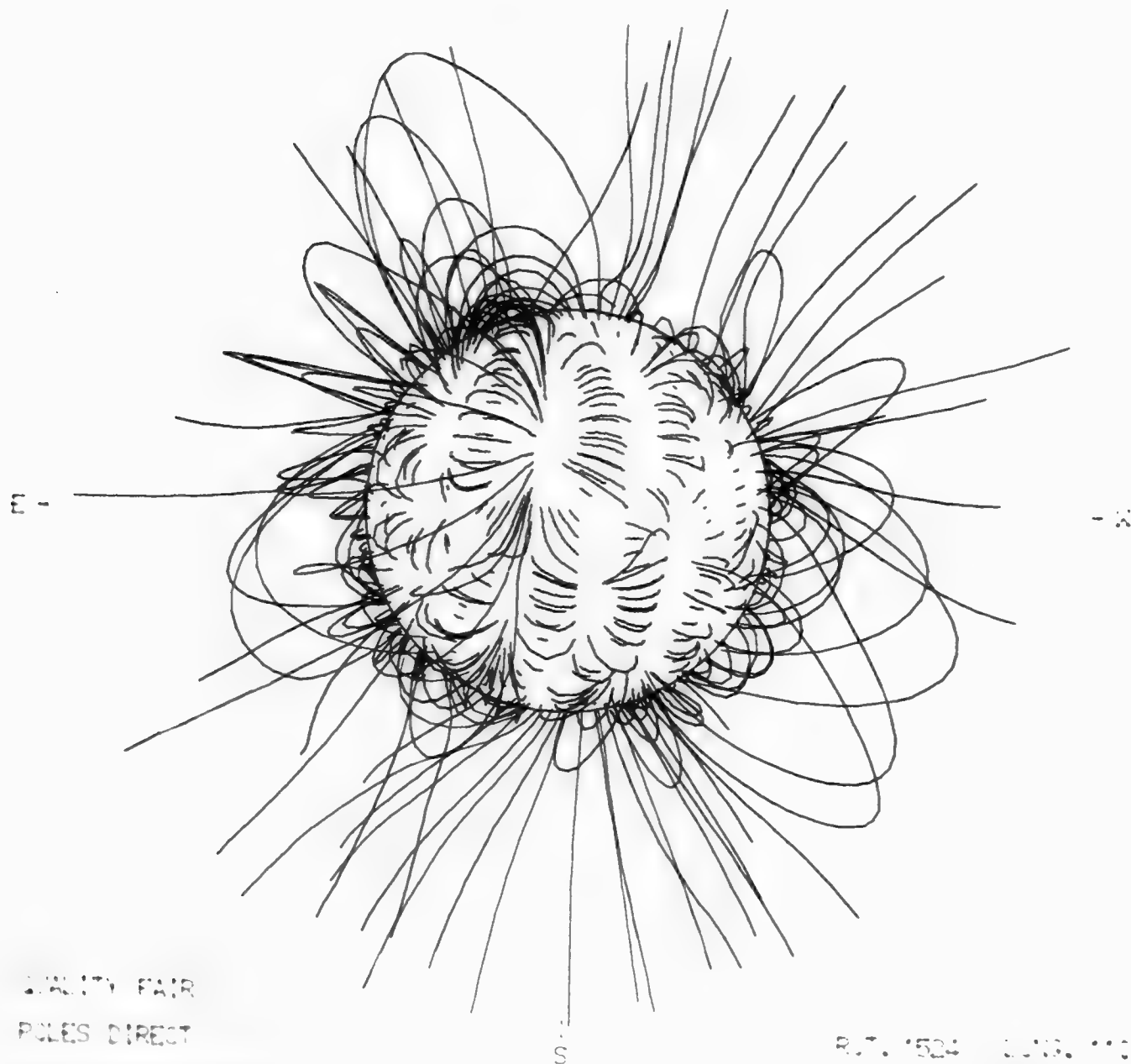
FILE'S CURRENT

DATA WINDOW 1524.00

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RJT. 1524 LING. 1524
23.2 AUG 1987

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

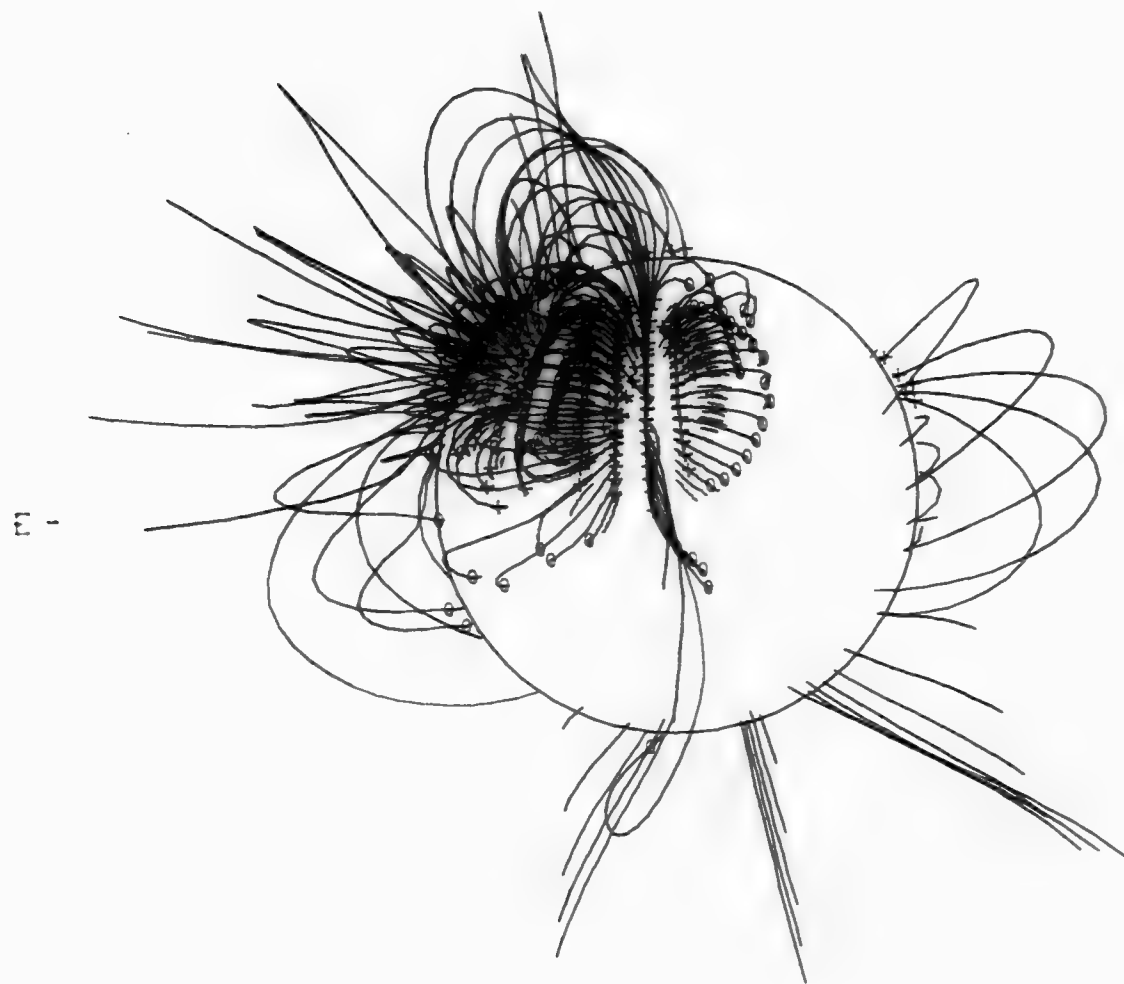
POLES DIRECT

DATA AND IN 1524.00

R.T. 1524 1010.00°

24.0 410 1967

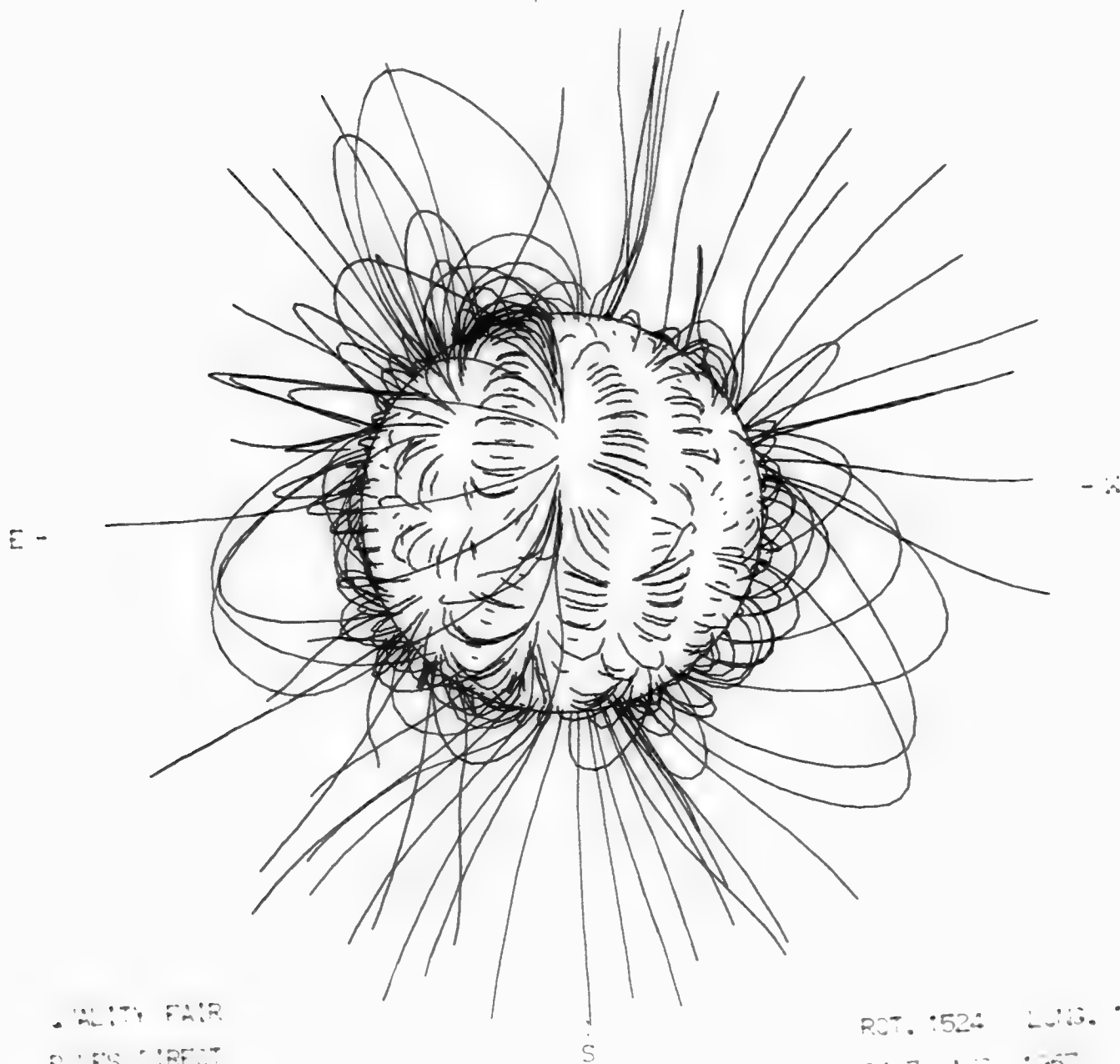
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA RANGE 1500.00

ROT. 1524 LING. 111
24.0 AD 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA WINDOW 1524.00

ROT. 1524 LONG. 100°
24.7 AG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

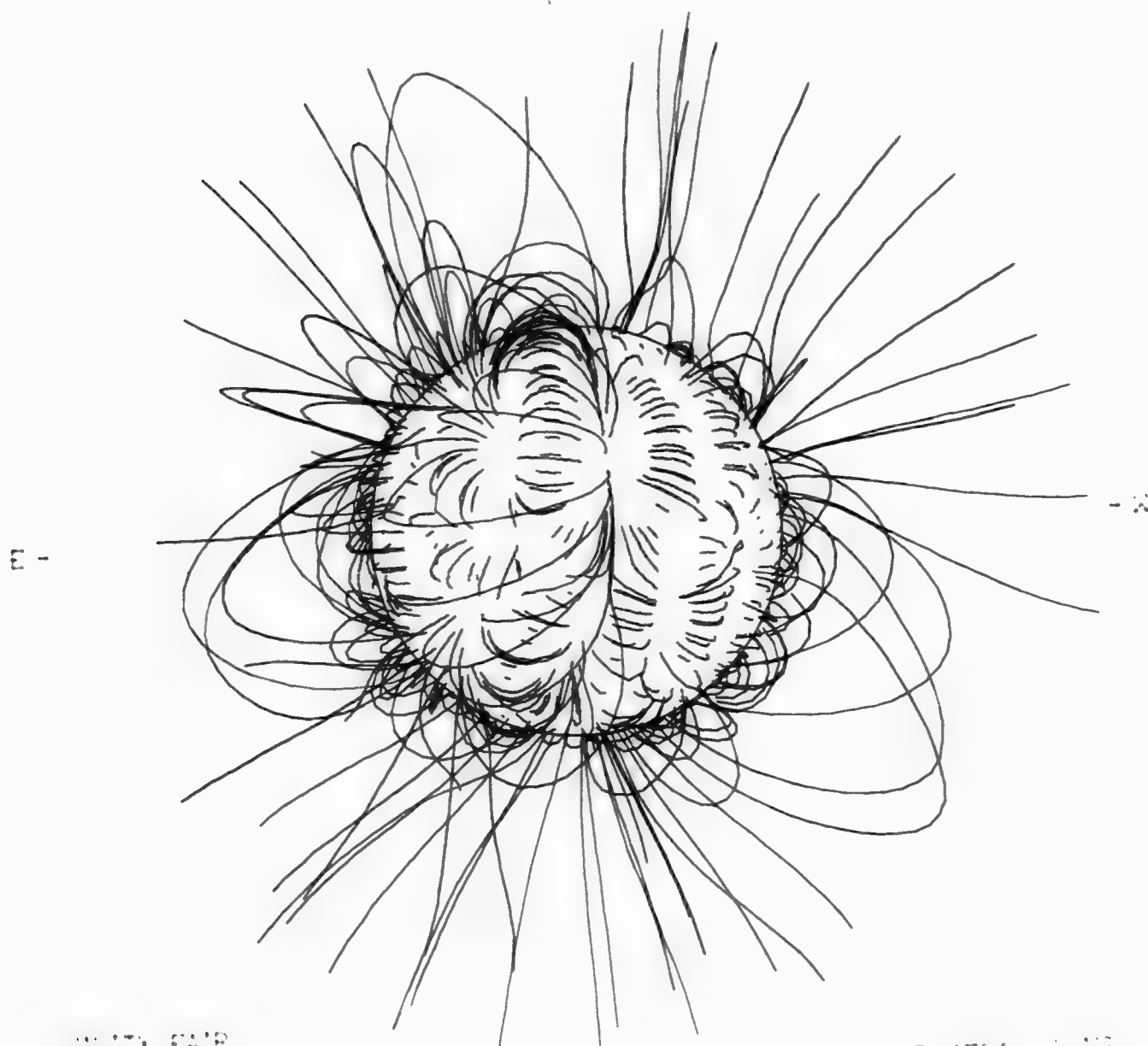


QUALITY FAIR
FILES DIRECT
DATA WINDOW 1524.00

S

RJT. 1524 1010. 1010
24.7 1010 1010

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WIDE OR 1504.00

RJT. 1504 2000. 10°
25.5 400 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

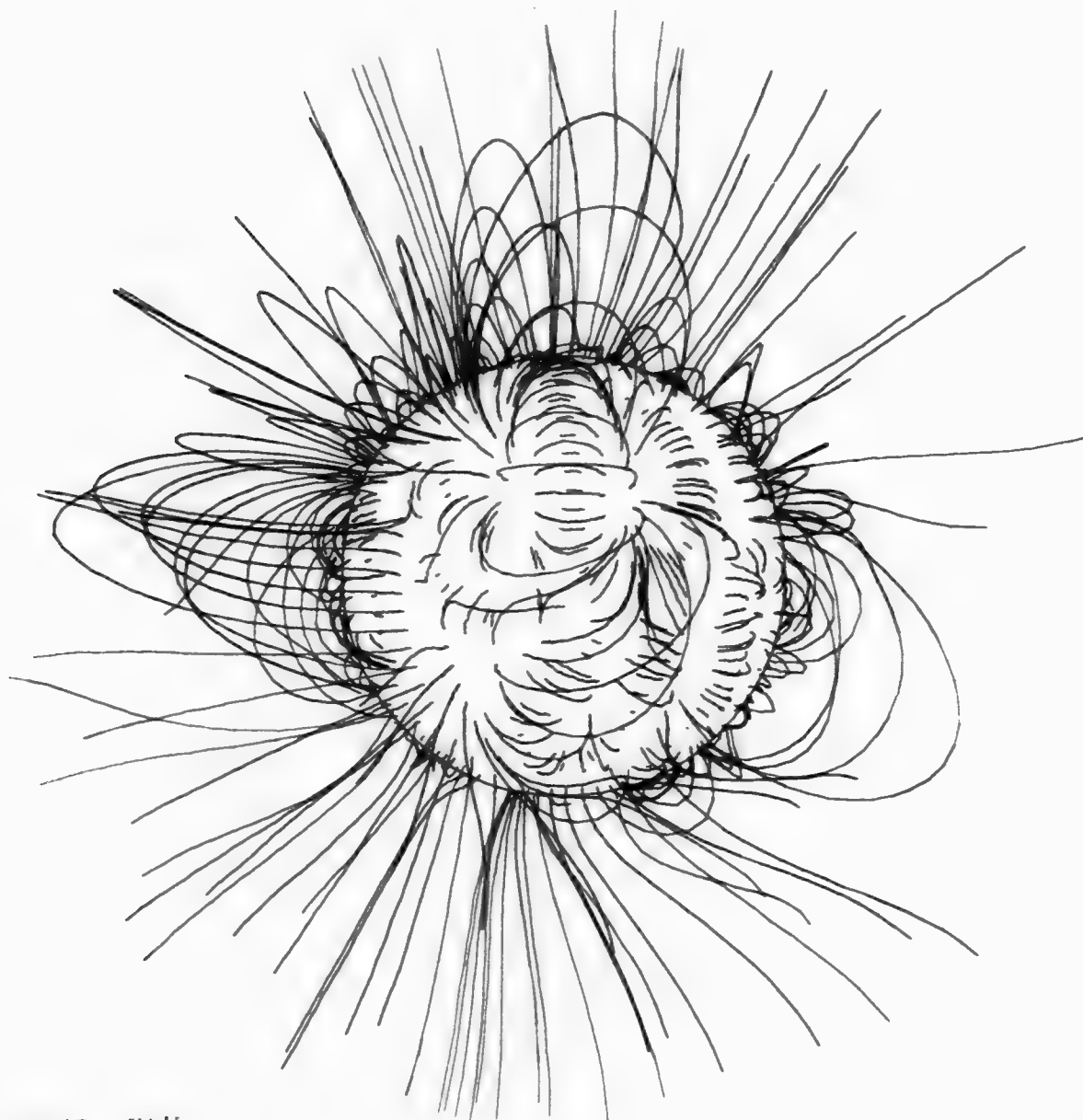


QUALITY FAIR
 FILES DIRECT
 DATA WINDOW 1524.00

S

RJT, 1524 11.10. 1967
 25.5 AUG 1967

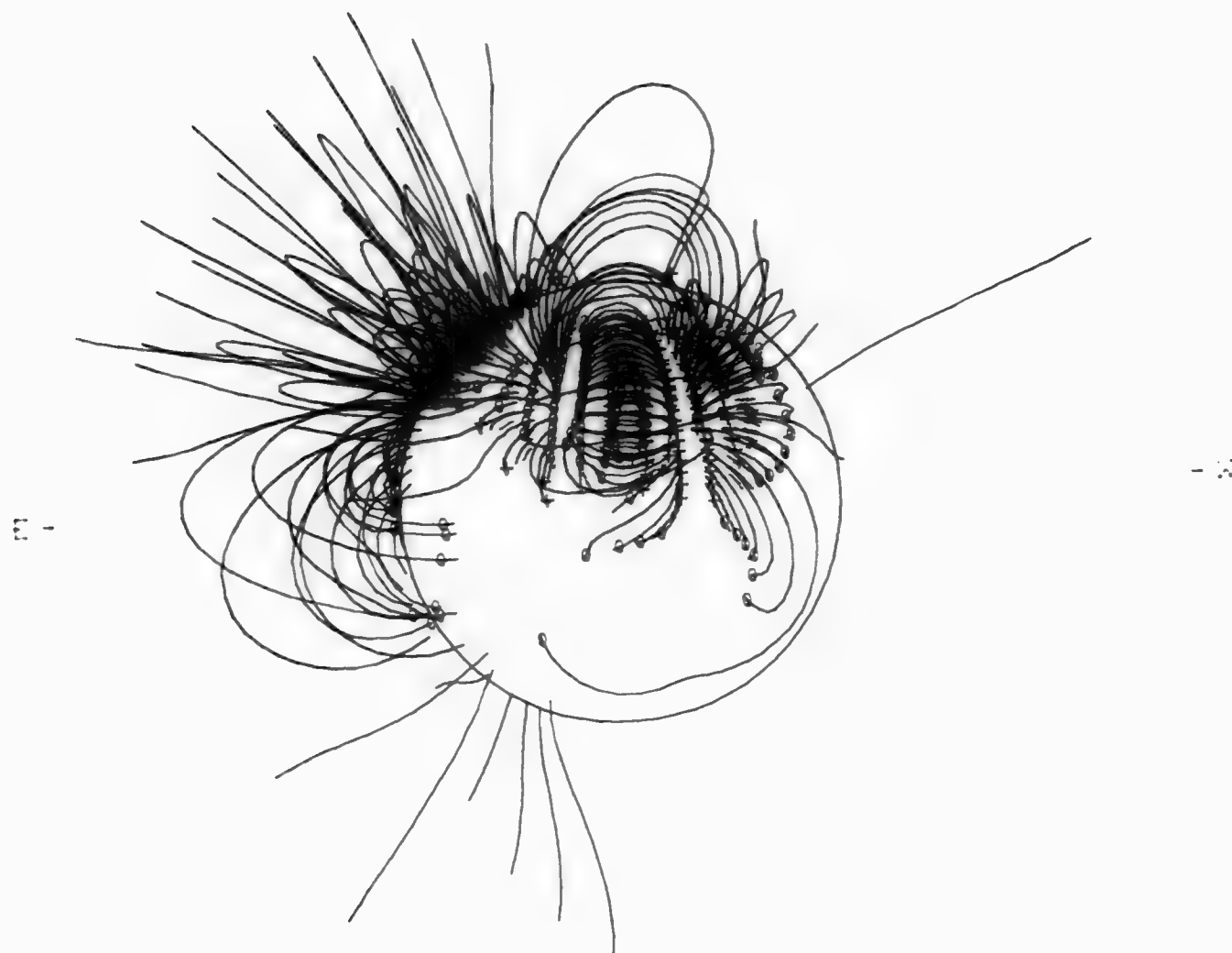
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORY
 HAILE OBSERVATORY

HAILE OBSERVATORY
 HAILE OBSERVATORY
 HAILE OBSERVATORY

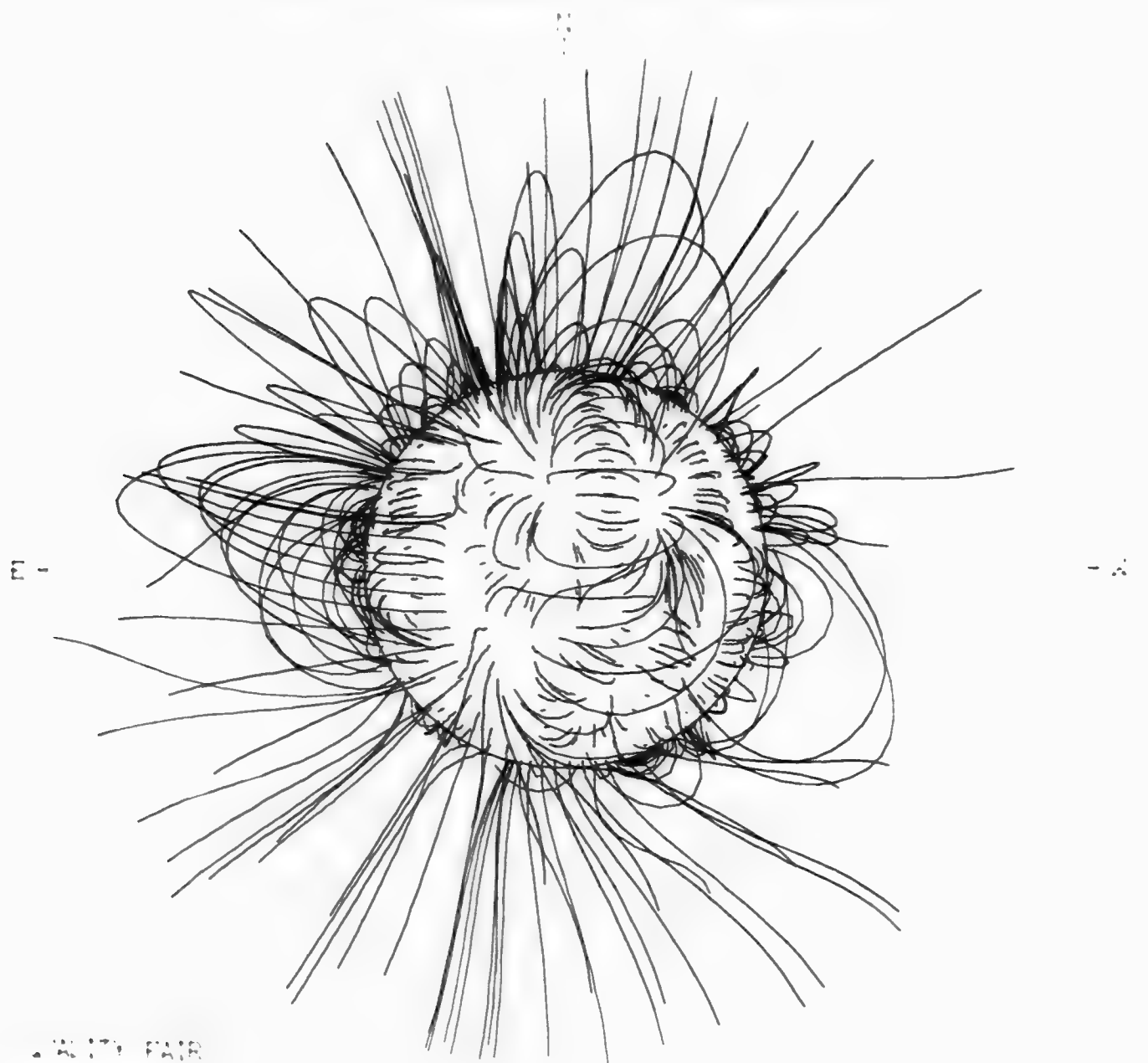
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FULLY DIRECT
 DATA AND/OR "HALLS"

REF. 1504 1000 40°
 DATE 1/1/1977

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY FAIR

FILES DIRECT

LATA AND/OR 1504.07

S

ROT. 1524 LONG. 71°

27.0 400 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

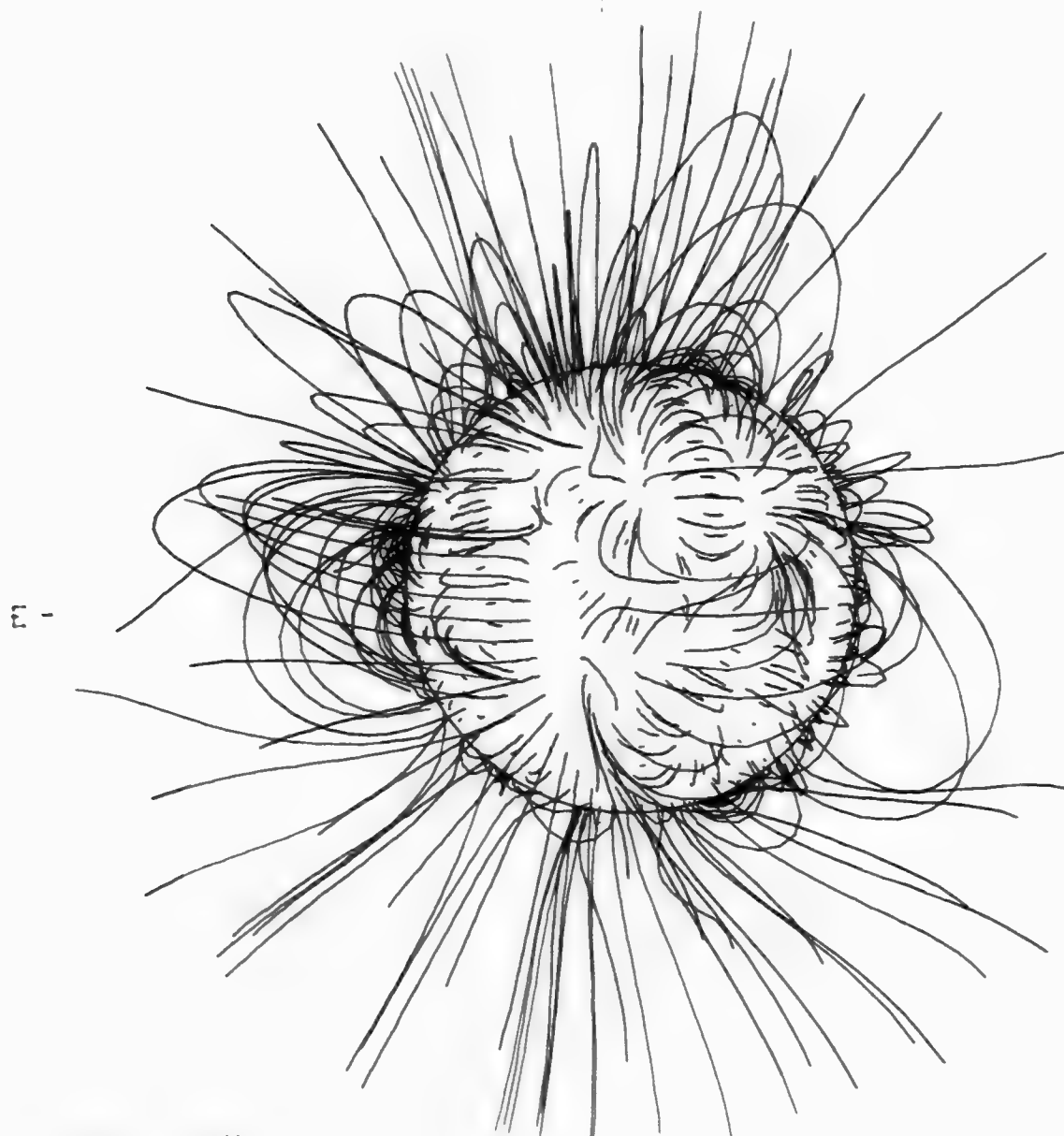


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1524.47

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 S

ROT. 1524 LONG. 70°
 27.0 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



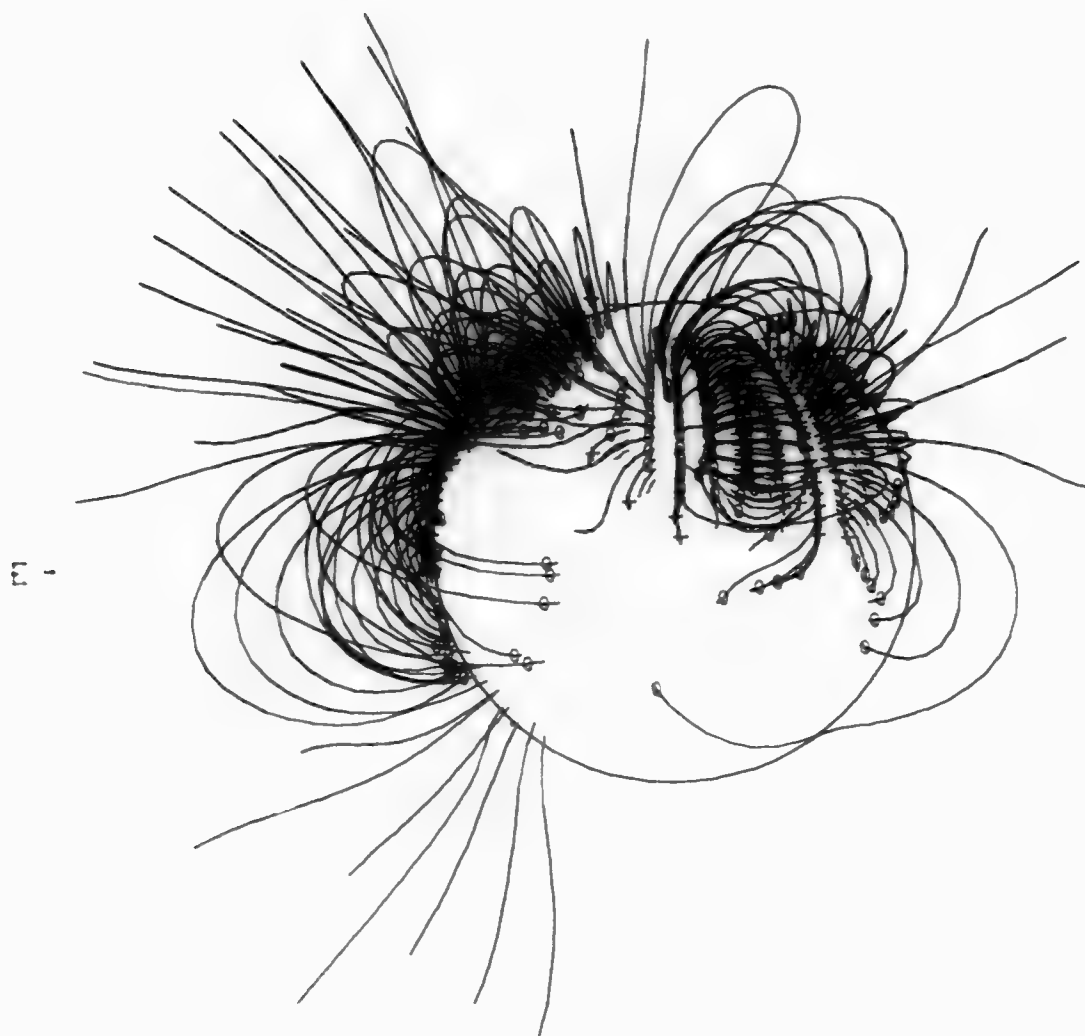
E -

S

QUALITY FAIR
FILES DIRECT
DATA AREA 1504.07

ROT. 1524 LONG. 60°
27.7 113 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

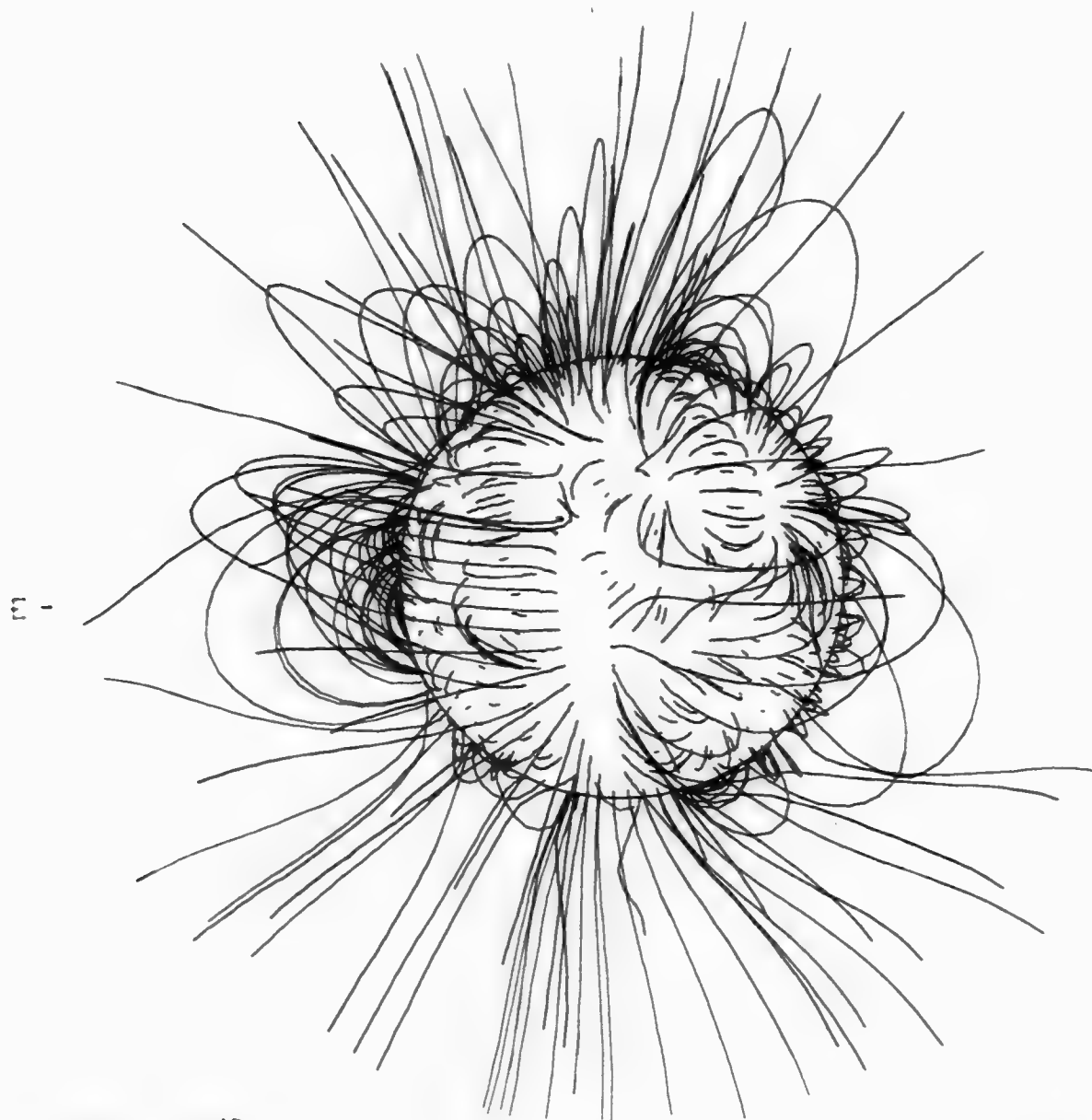


QUALITY FAIR
POLES DIRECT
DATA WIND IN 1524.57

S

ROT. 1524 11.10. 61°
27.7 100 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

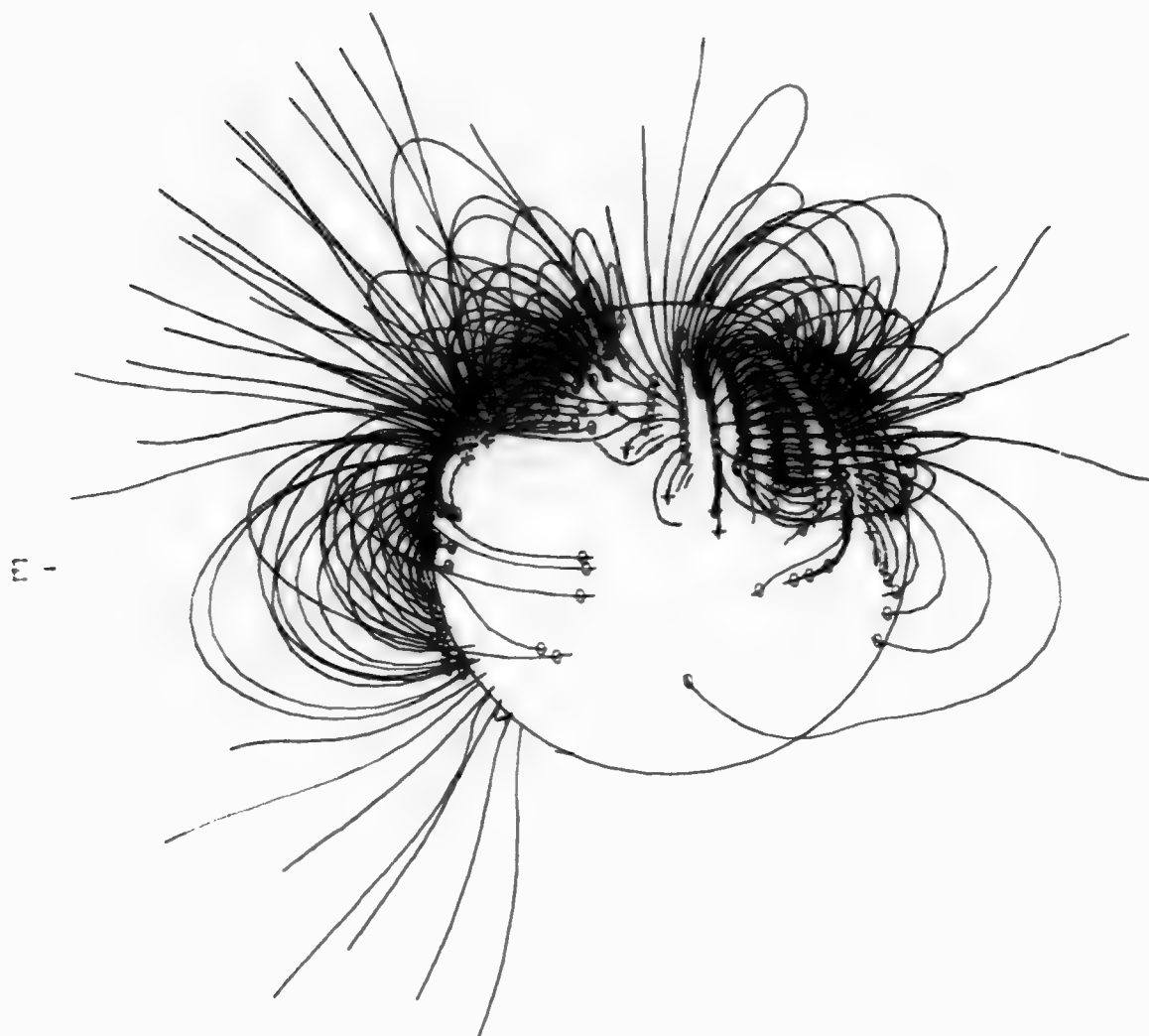


QUALITY FAIR
FILES DIRECT
DATA WINDOW 1524.47

S

R.T. 1524 2013. 51°
28.5 213 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

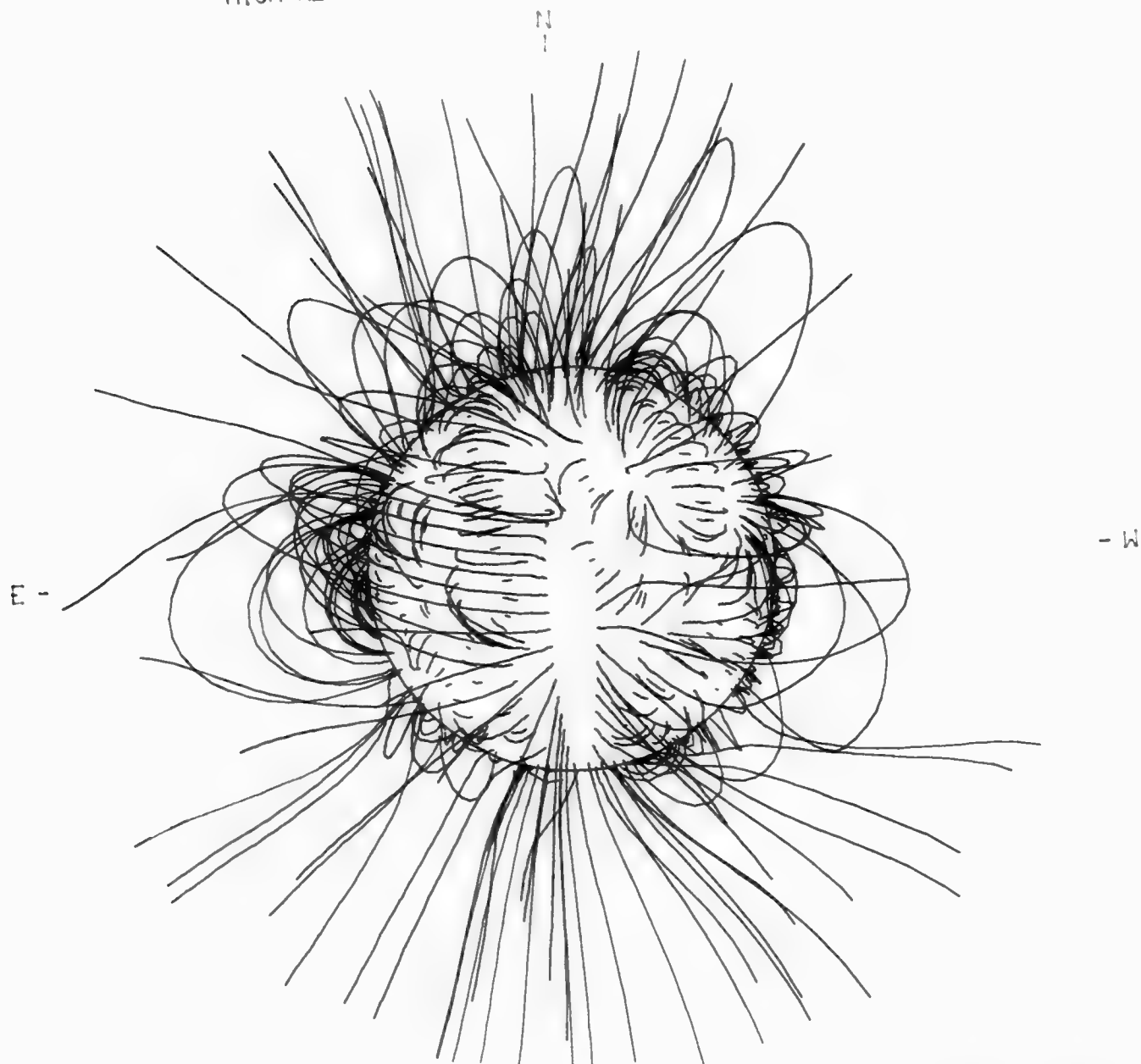


QUALITY FAIR
 POLES DIRECT
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S

EST. 1964 LONG. 60°
 28.5 AUG 1967

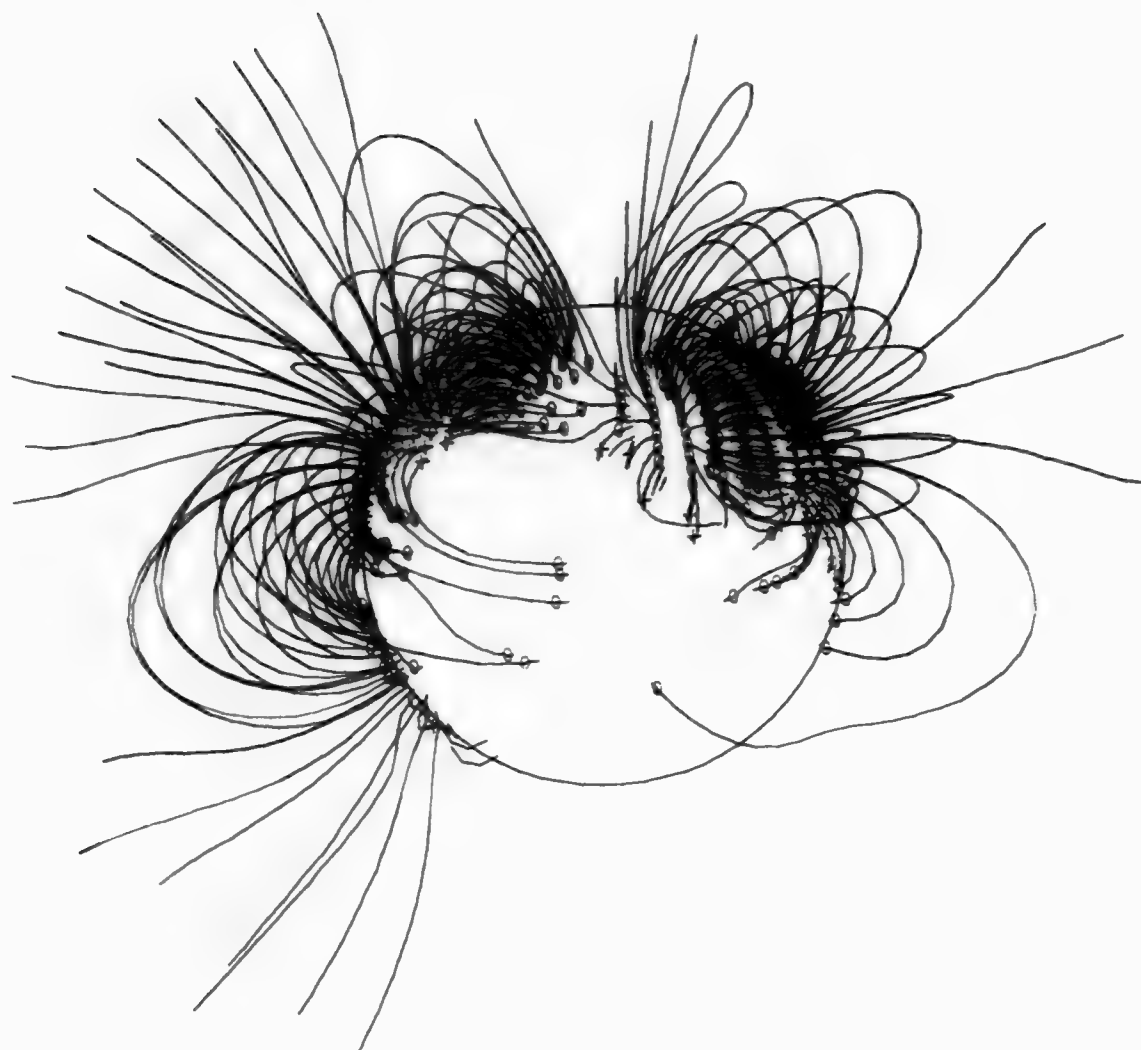
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1524.47

ROT. 1524 LONG. 40°
29.2 AUG 1967

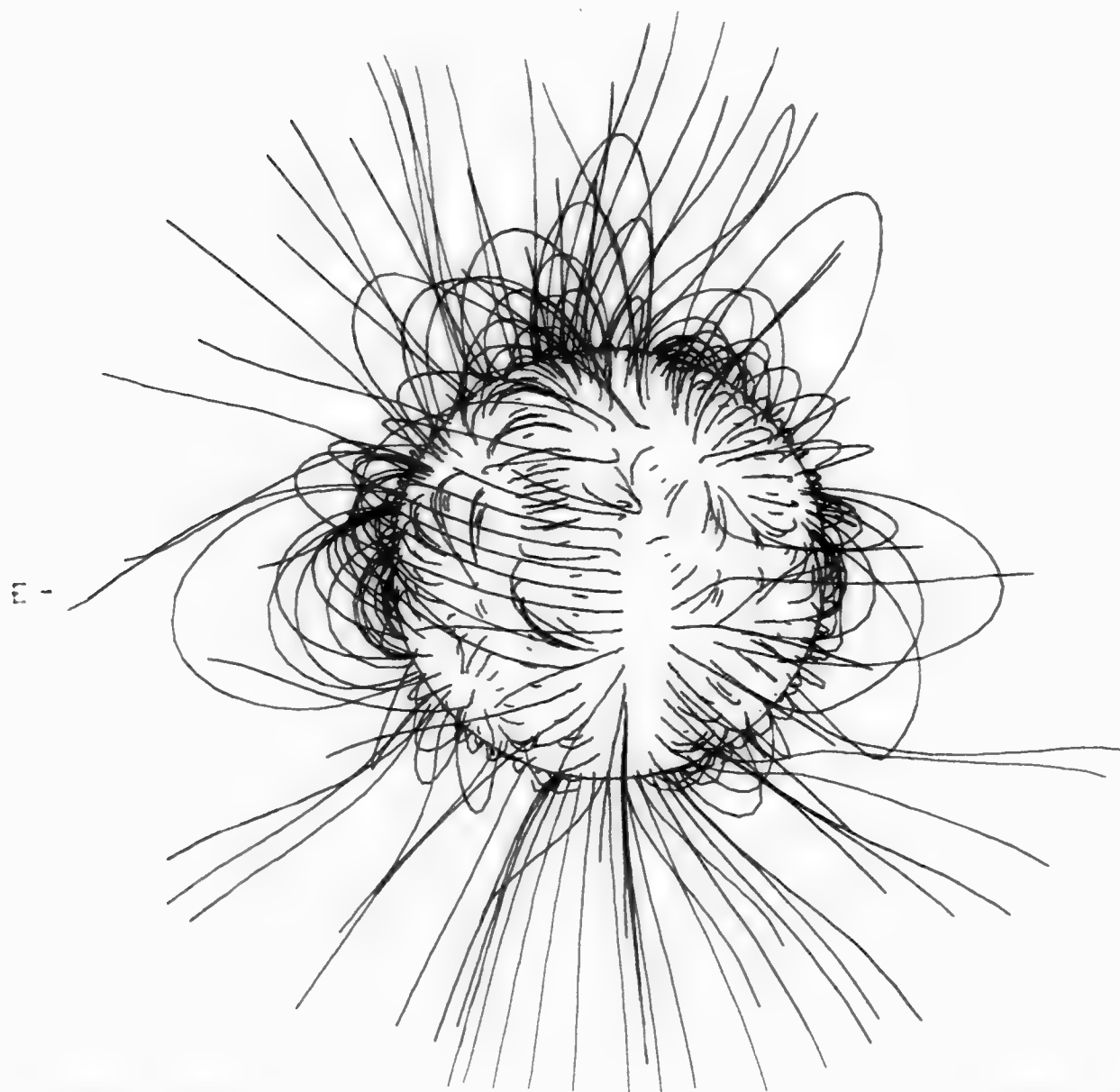
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA RECORD 1504.47

HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA RECORD 1504.47

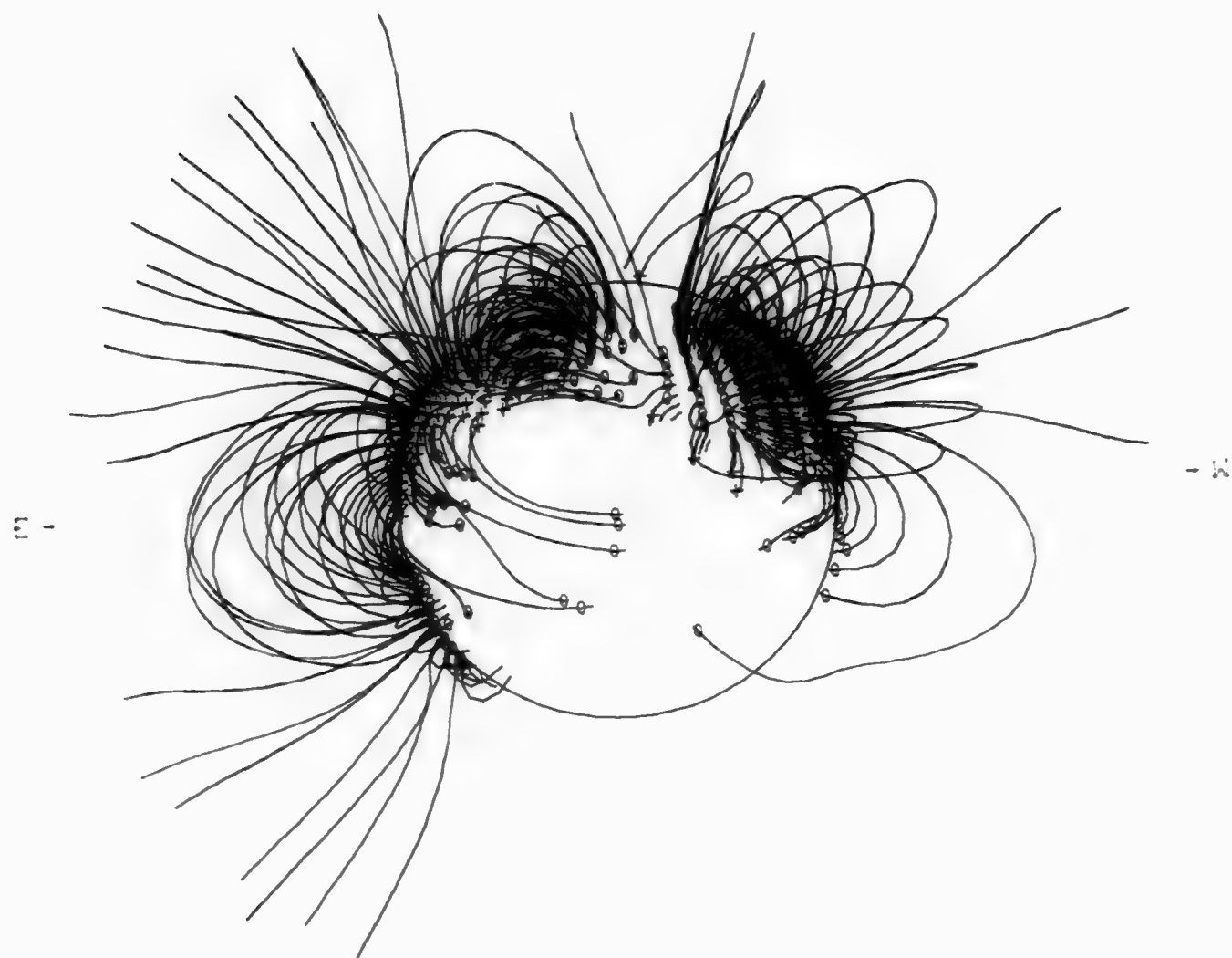
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA WINDOW 1524.47

REL. 1504 210. 31°
30.0 210 1257

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

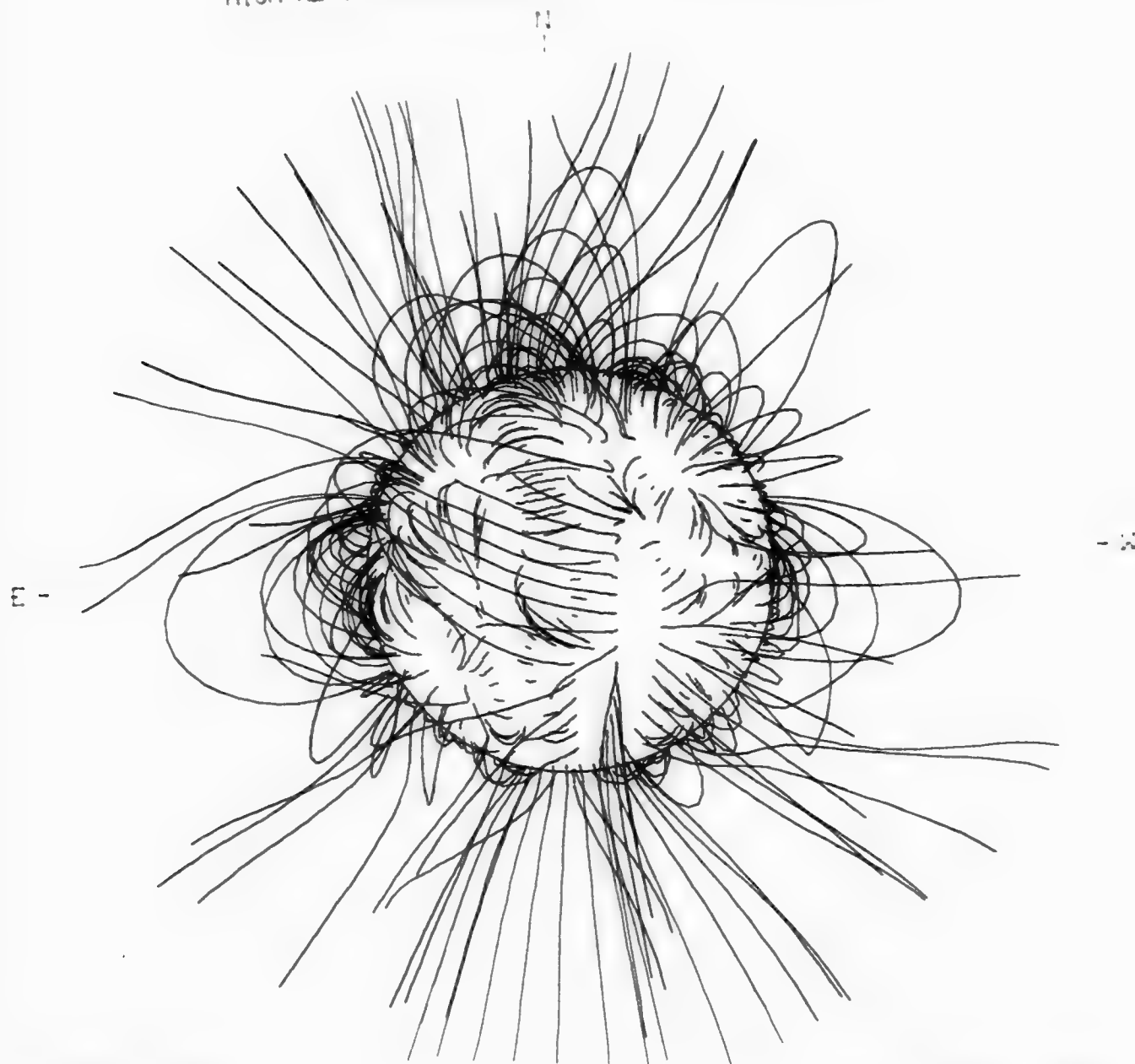


QUALITY FAIR
 POLES DIRECT
 DATA WITHIN 1524.4"

S

ROT. 1524 1013. 30°
 30.0 403 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

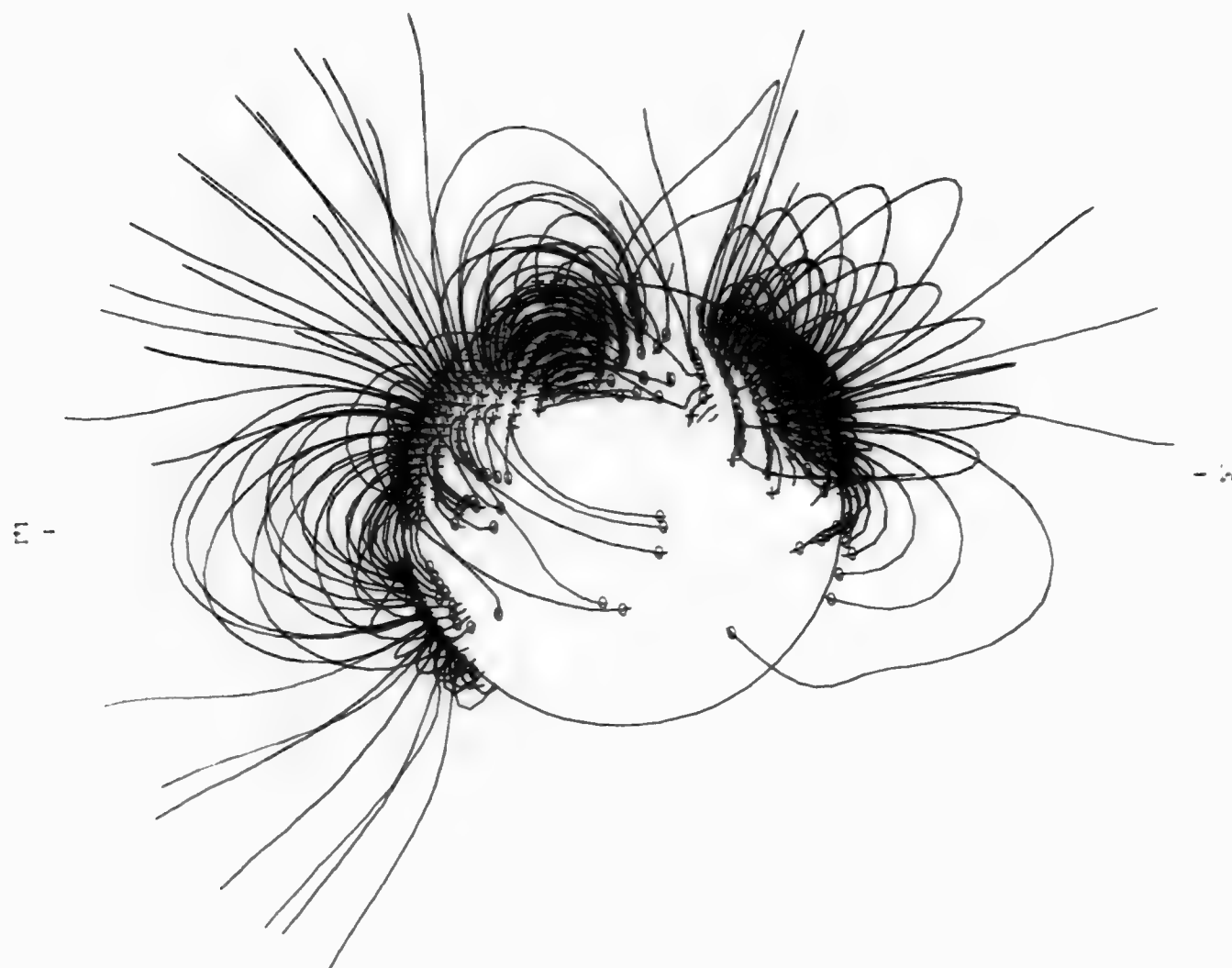


QUALITY FAIR
 PLEAS DIRECT
 DATA WIND 1524.27

S

ROT. 1524 1013. 21°
 30.8 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

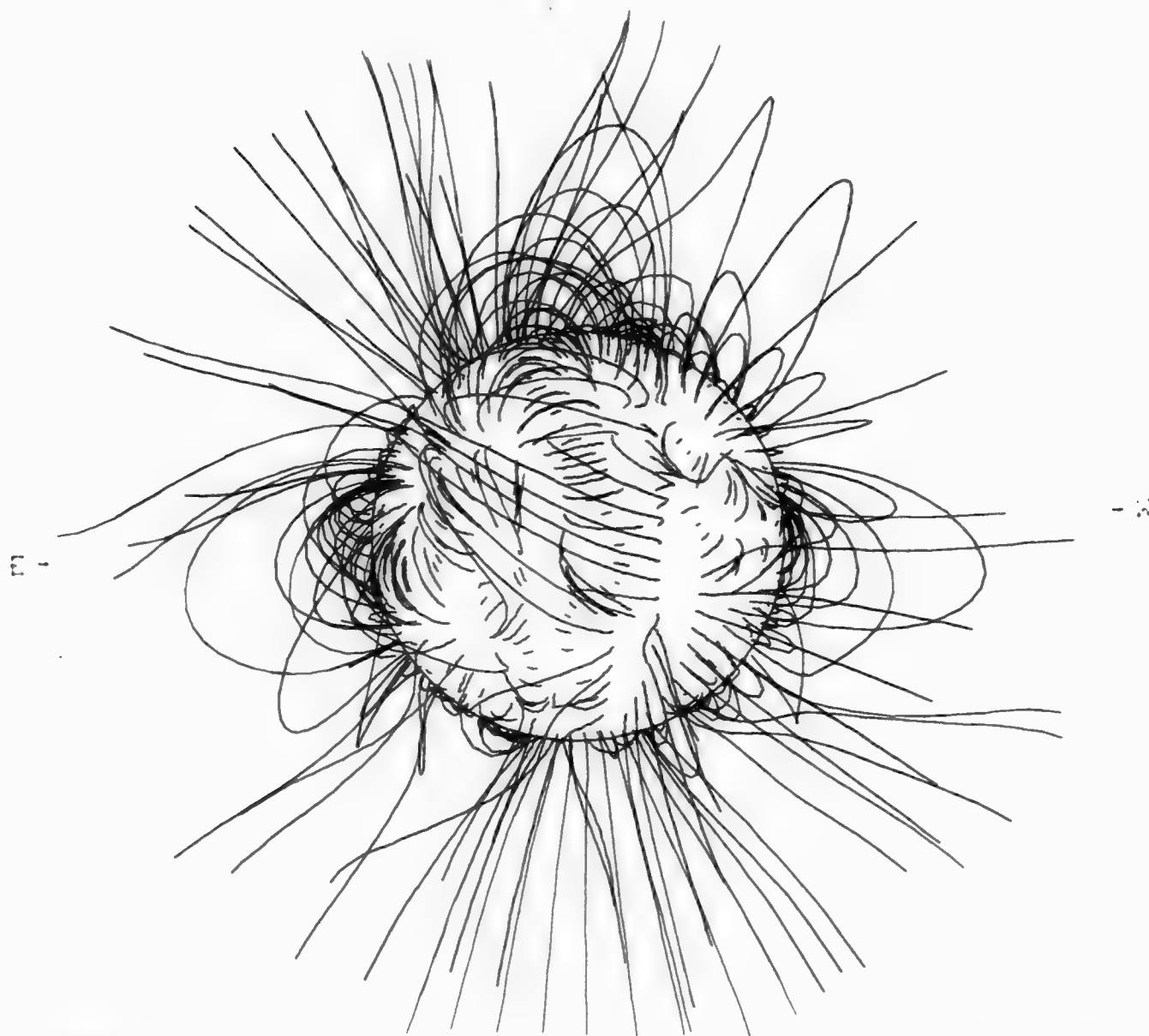


QUALITY FAIR
FIELD DIRECT
DATA WITHIN 100.00"

S

RUT. 1524 2013. 11°
30.8 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

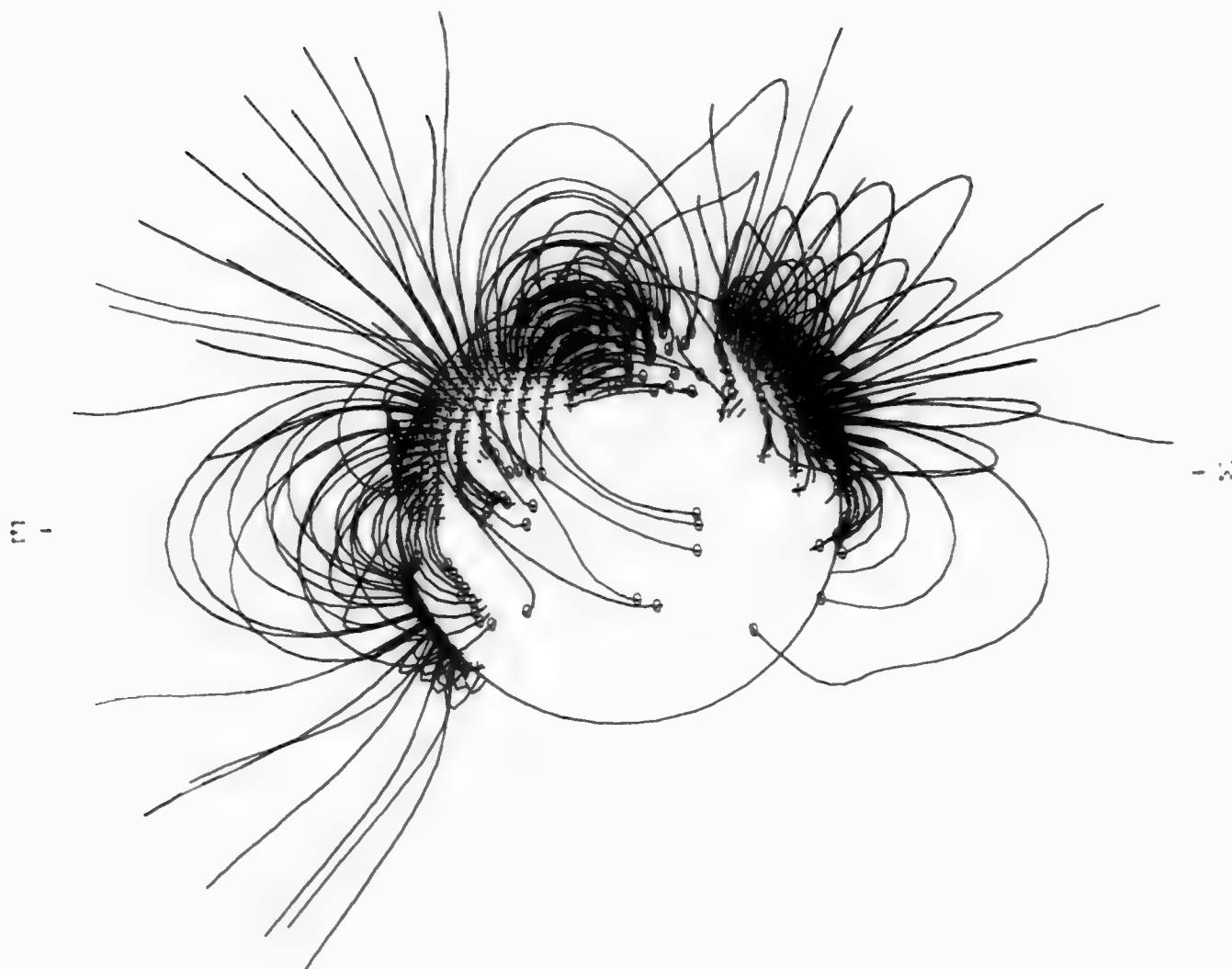


QUALITY FAIR
 PLAIN DIRECT
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S

R.T. 1524 1000. 10°
 3.5 400 1000

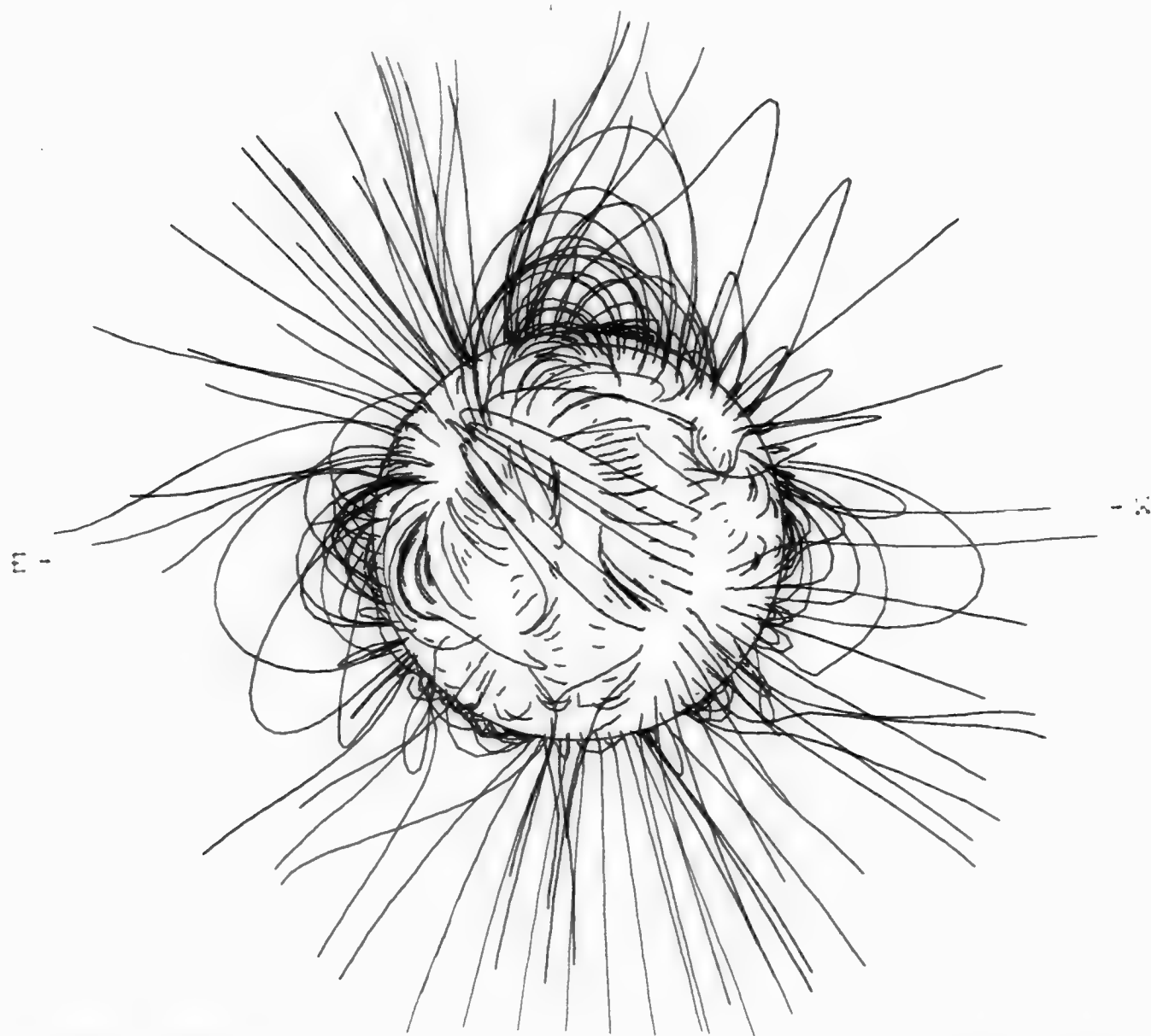
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PAGES DIRECT
 DATA AREA 1504.07

RJT. 1504 1110. 11
 31.5 AUG 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

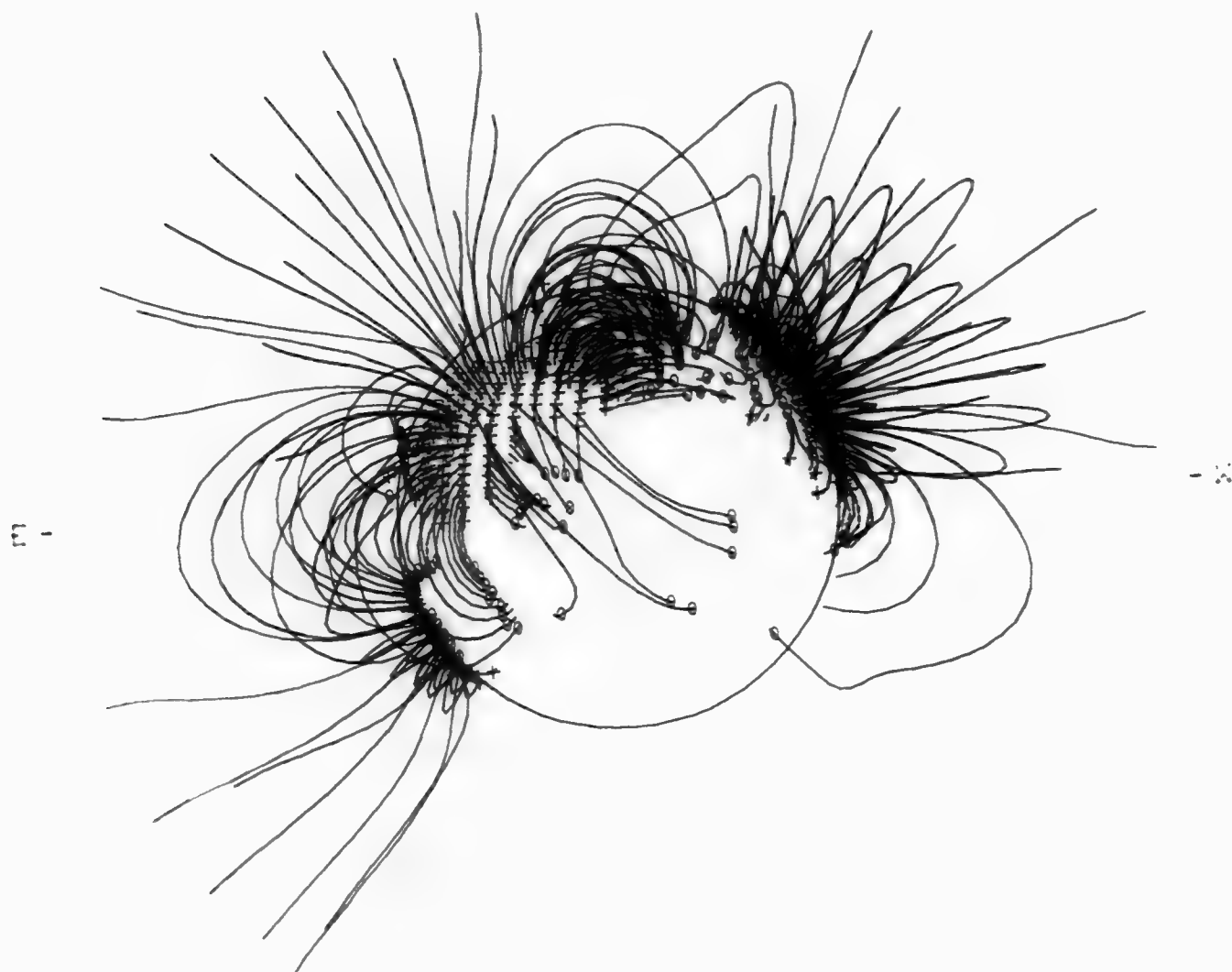


QUALITY FAIR
FILES DIRECT
DATA WIND IN "FOLLO"

S

RJT, 1524 2113. 1°
1.3 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

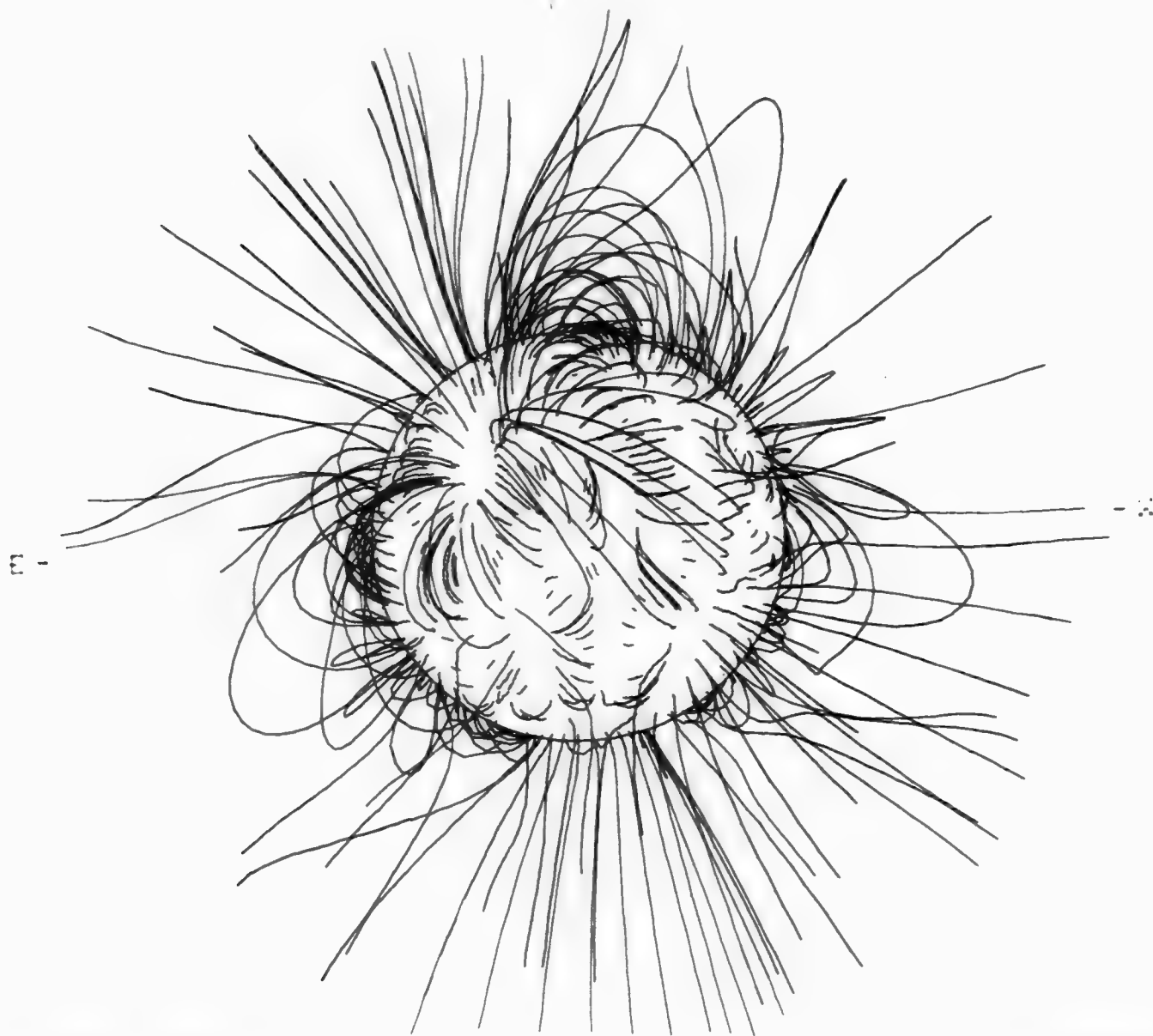


QUALITY FAIR
 VALUE GREAT
 DATA AND LOG 1963.47

S

6.7. 1524 1.10. 1.5
 1.3 SEP 1967

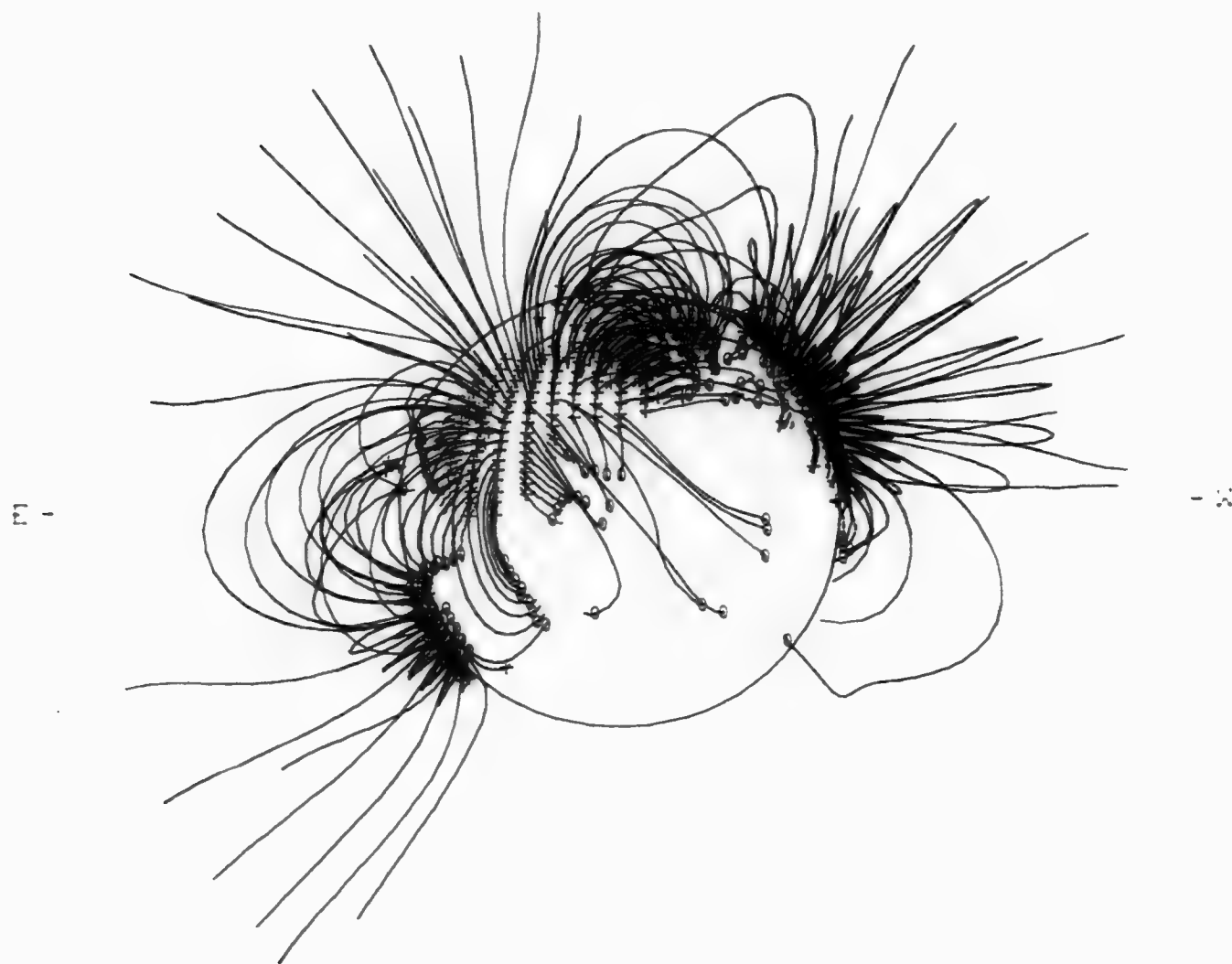
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FLARE DIRECT
 DATA ANGLE 1524.47

ROT. 1525 LONG. 351°
 2.0 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALEITY PAIR

PALES DIRECT

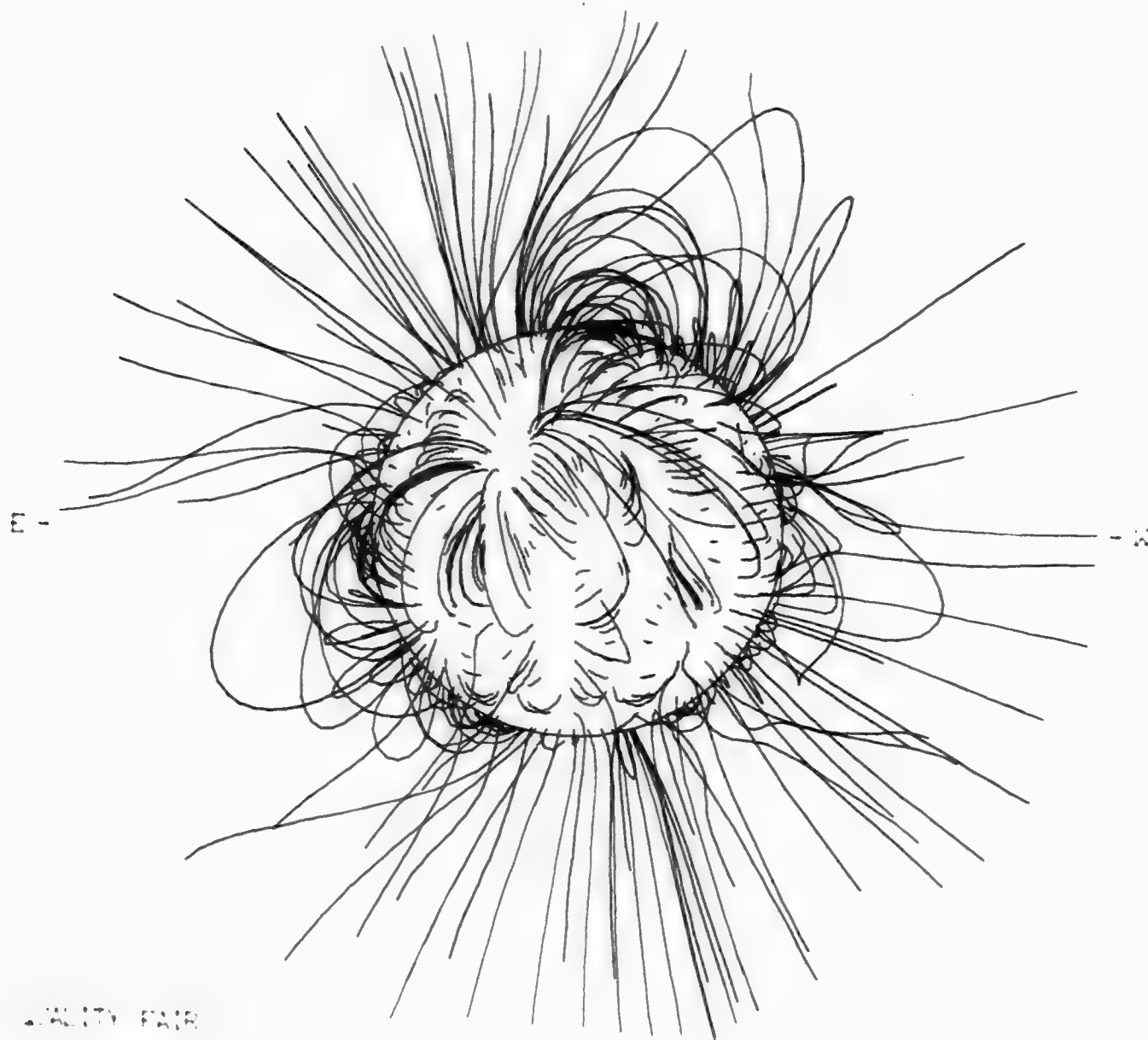
DATA AND/OR 1504.47

S

RUT. 1525 LUNG. 350°

2.0 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

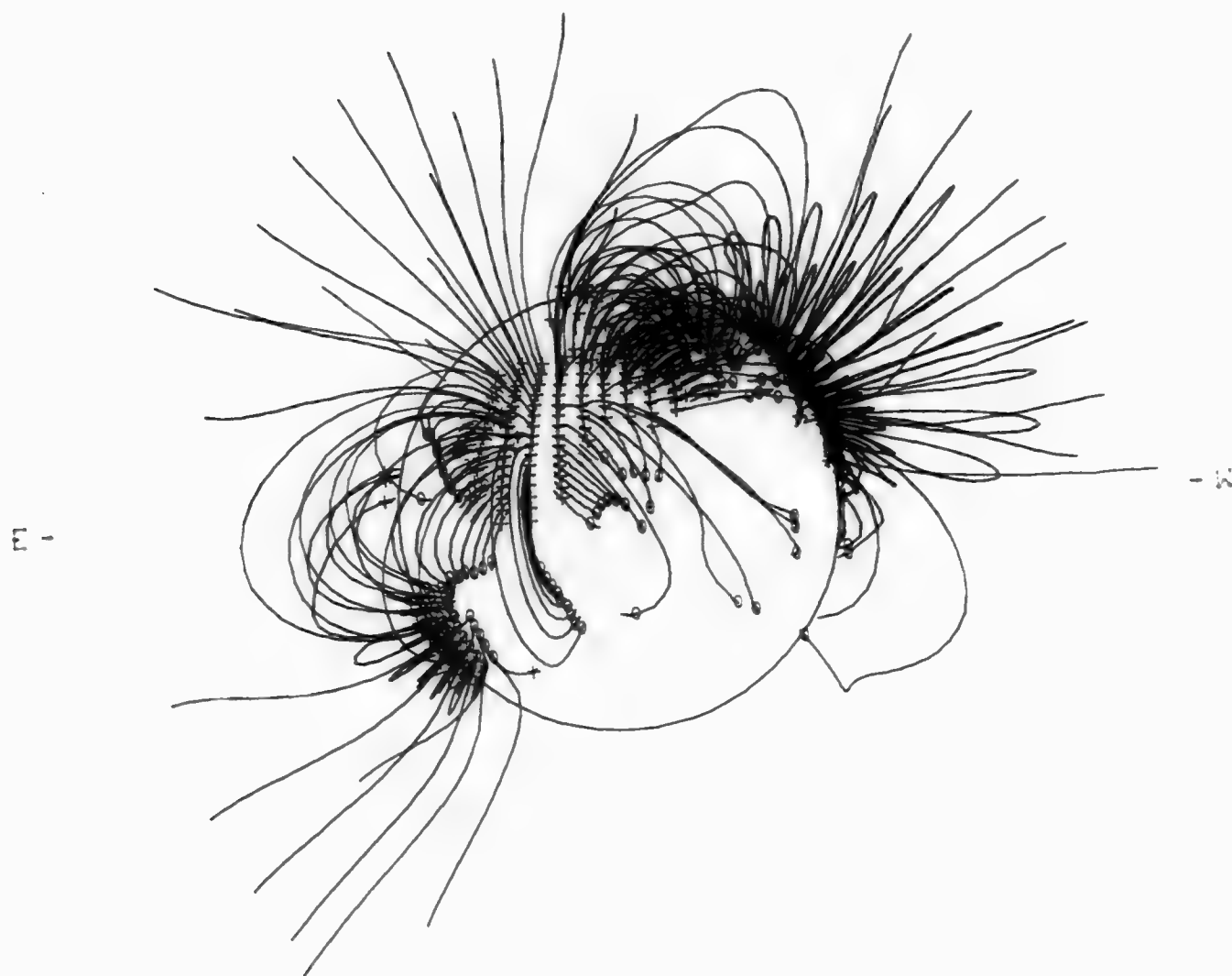


QUALITY FAIR
 POLES DIRECT
 DATA SOURCE 15.04.57

S

R.T. 1525 L.O.V. 544°
 2.8 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

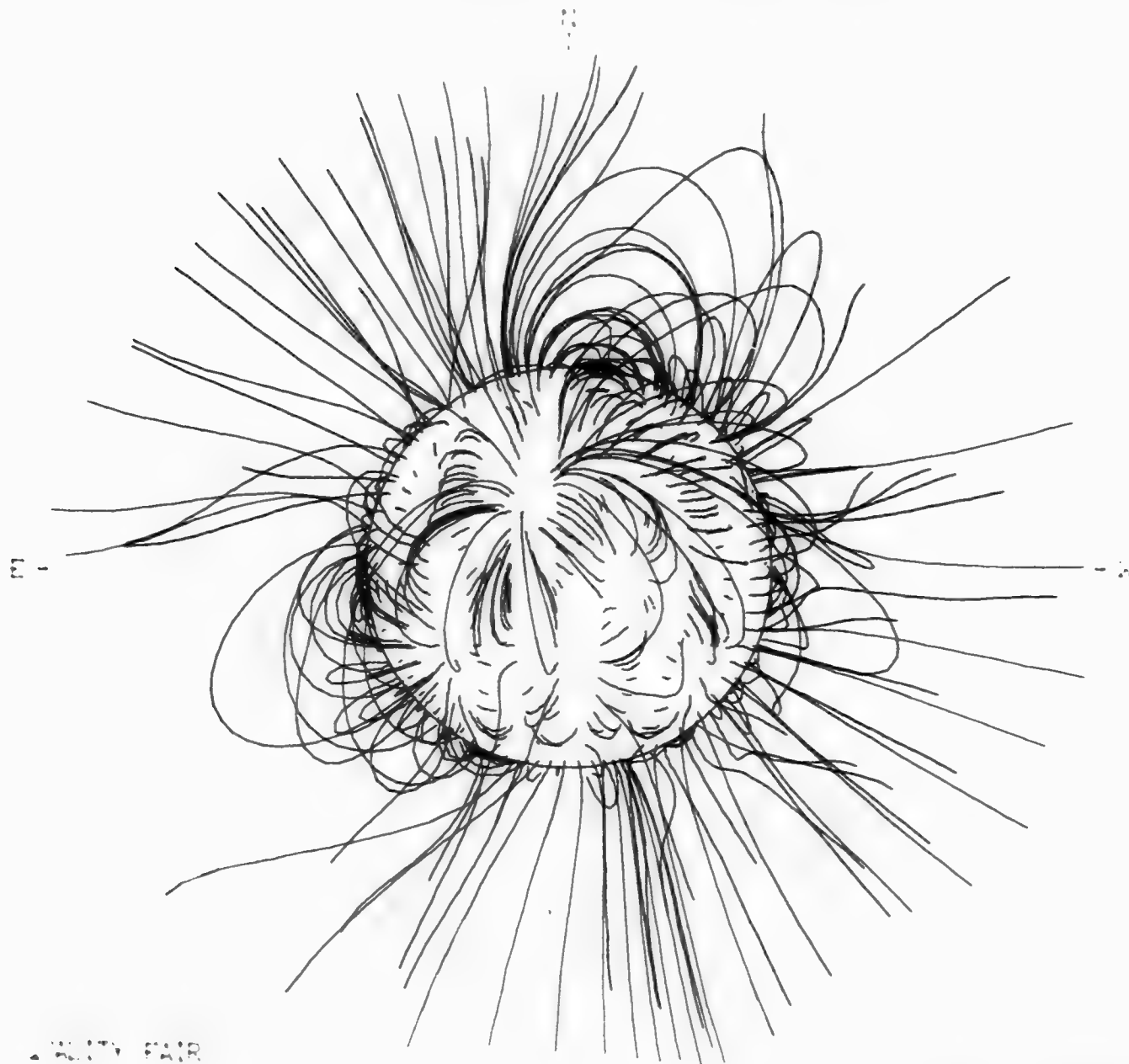


LOW ALTITUDE
 FULLY DIRECT
 DATA W/IN 1524.47

S

R.T. 1525 100.340
 2.8 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

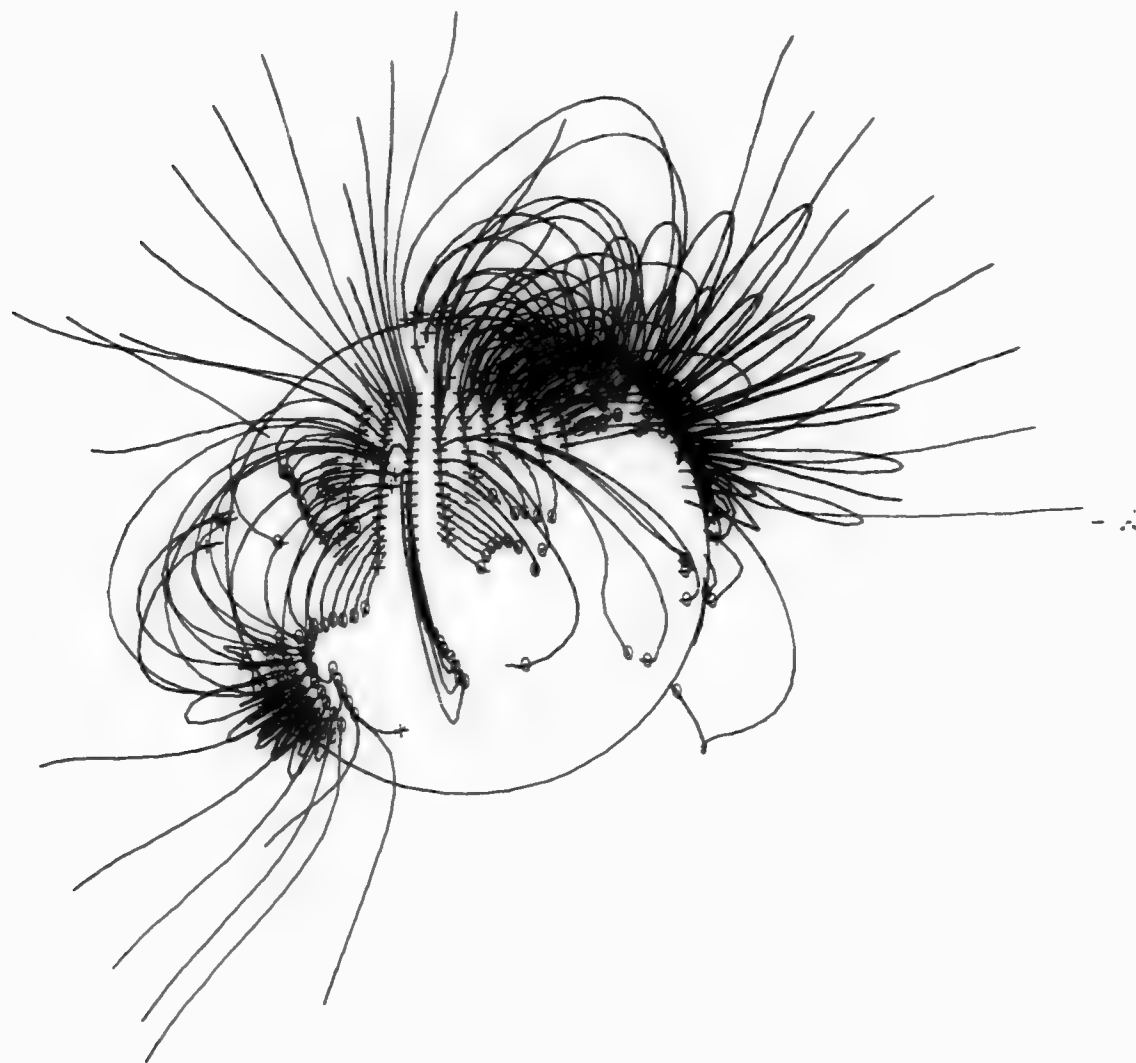
DATA WINDOW 1524.47

S

ROT. 1525 LONG. 330°

3.6 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

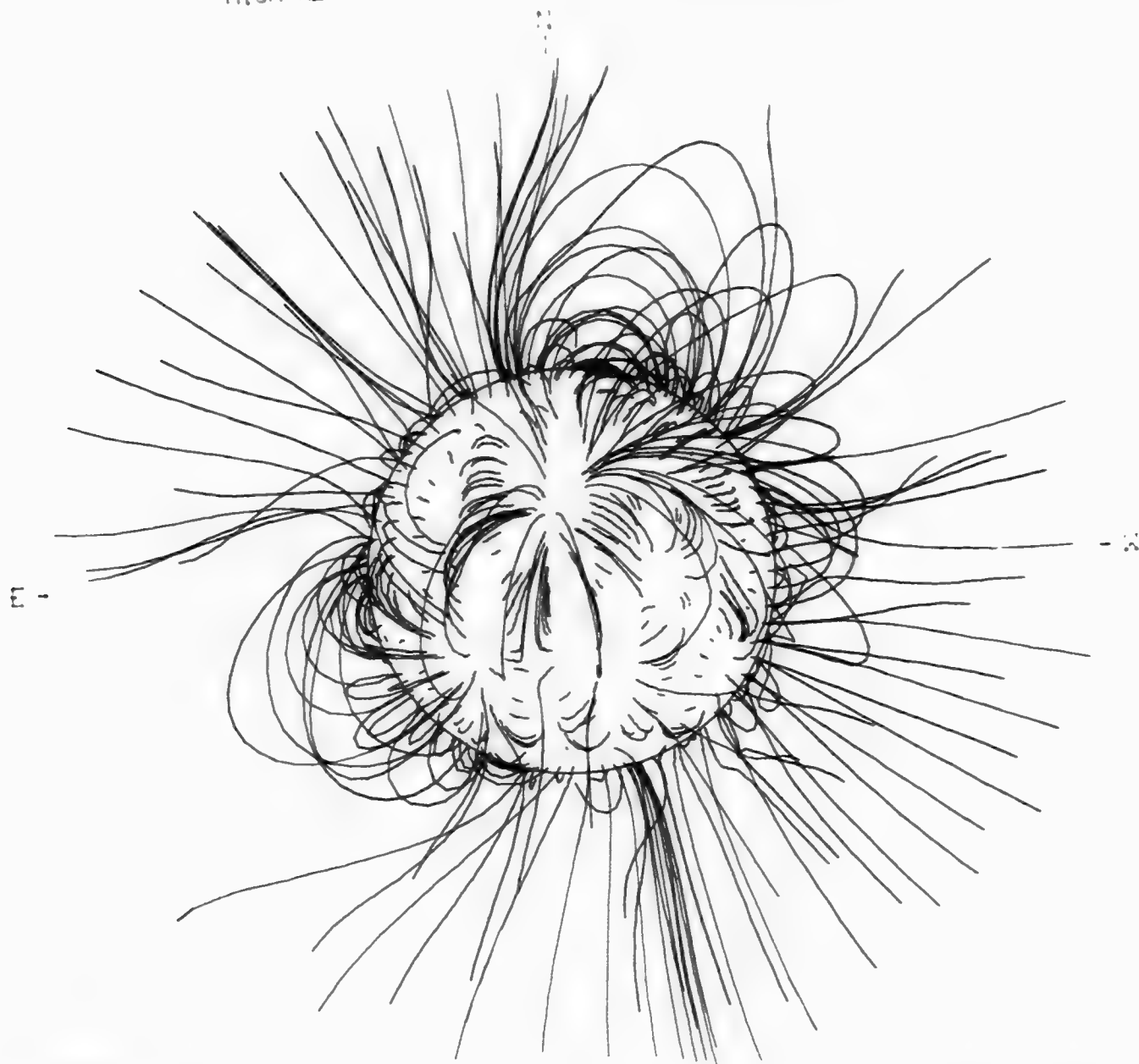


QUALITY FAIR
 POLES DIRECT
 DATA AND/OR 1504.47

S

R.T. 1525 L.O.R. 330°
 3.6 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA ANGLE 1504.47

S

R.T. 1525 L.A. 1504.47
4.5 SEP 1967

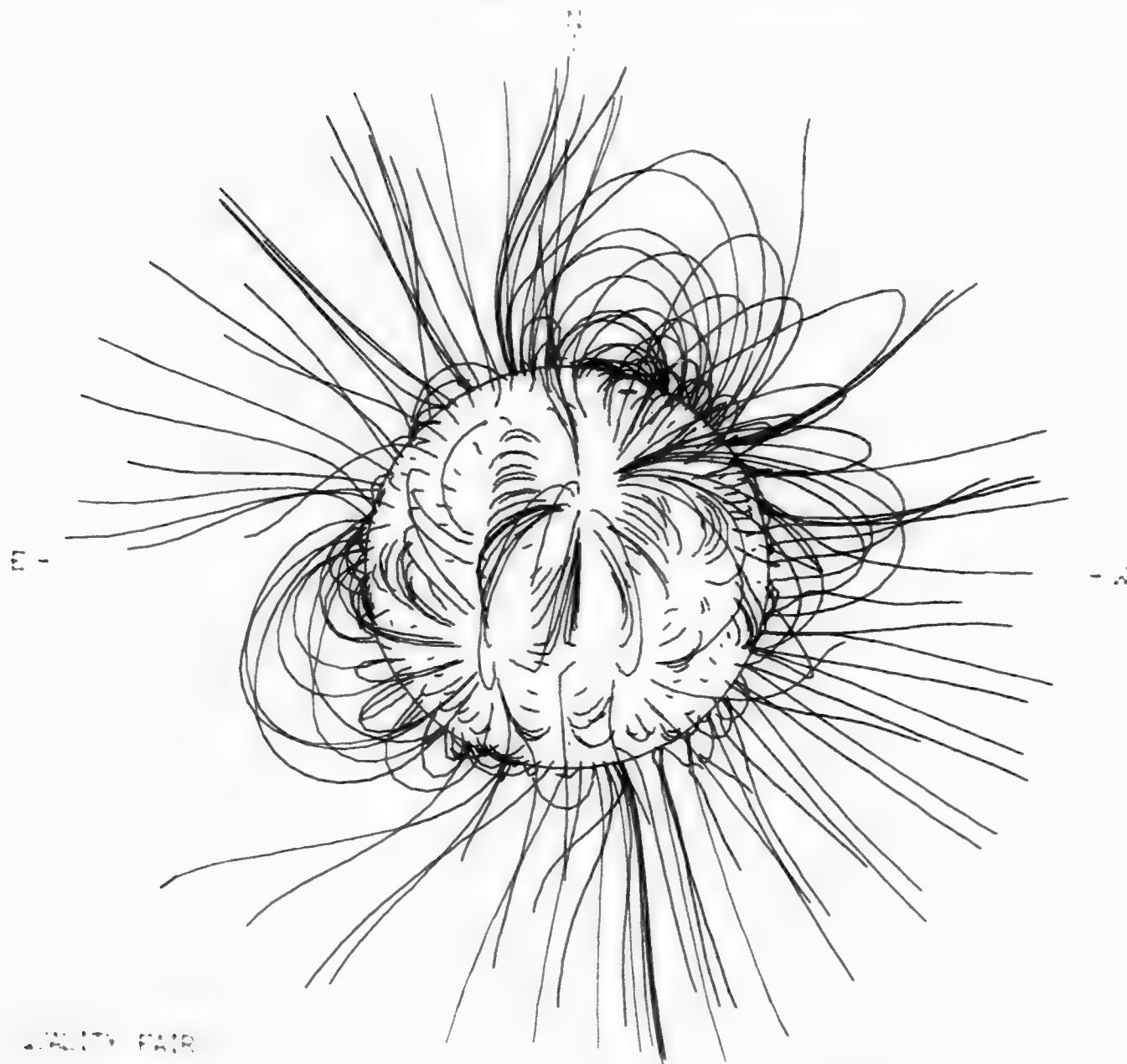
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



. 10.17. FAIR
 POLES DIRECT
 DATA WINDOW 1524.47

R.L.T. '525 1.113. 301°
 4.3 SEP '96"

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

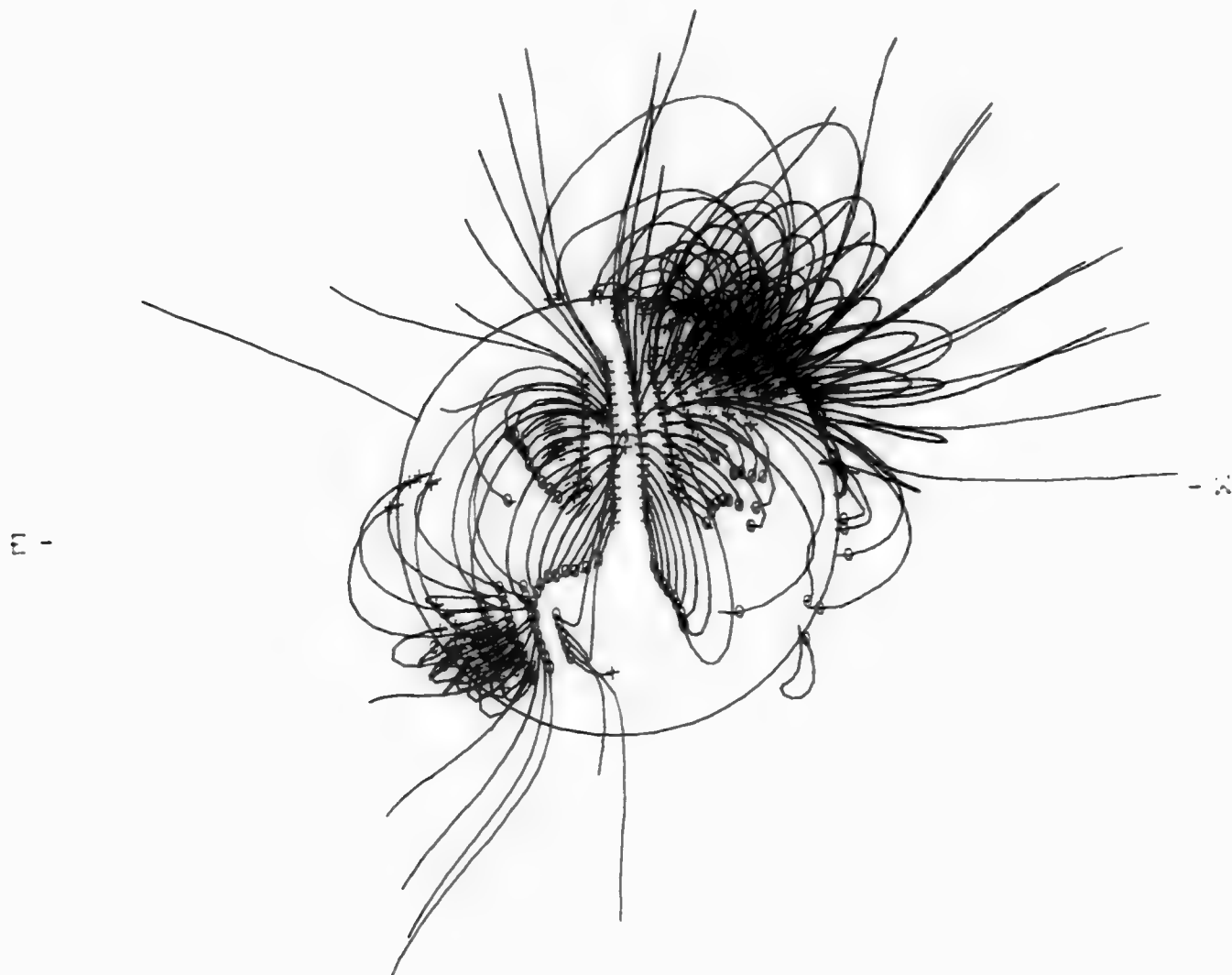
DATA AREA IN 1524. "

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R.T. 1525 1010. 3.1°

5.1 SEP 1967

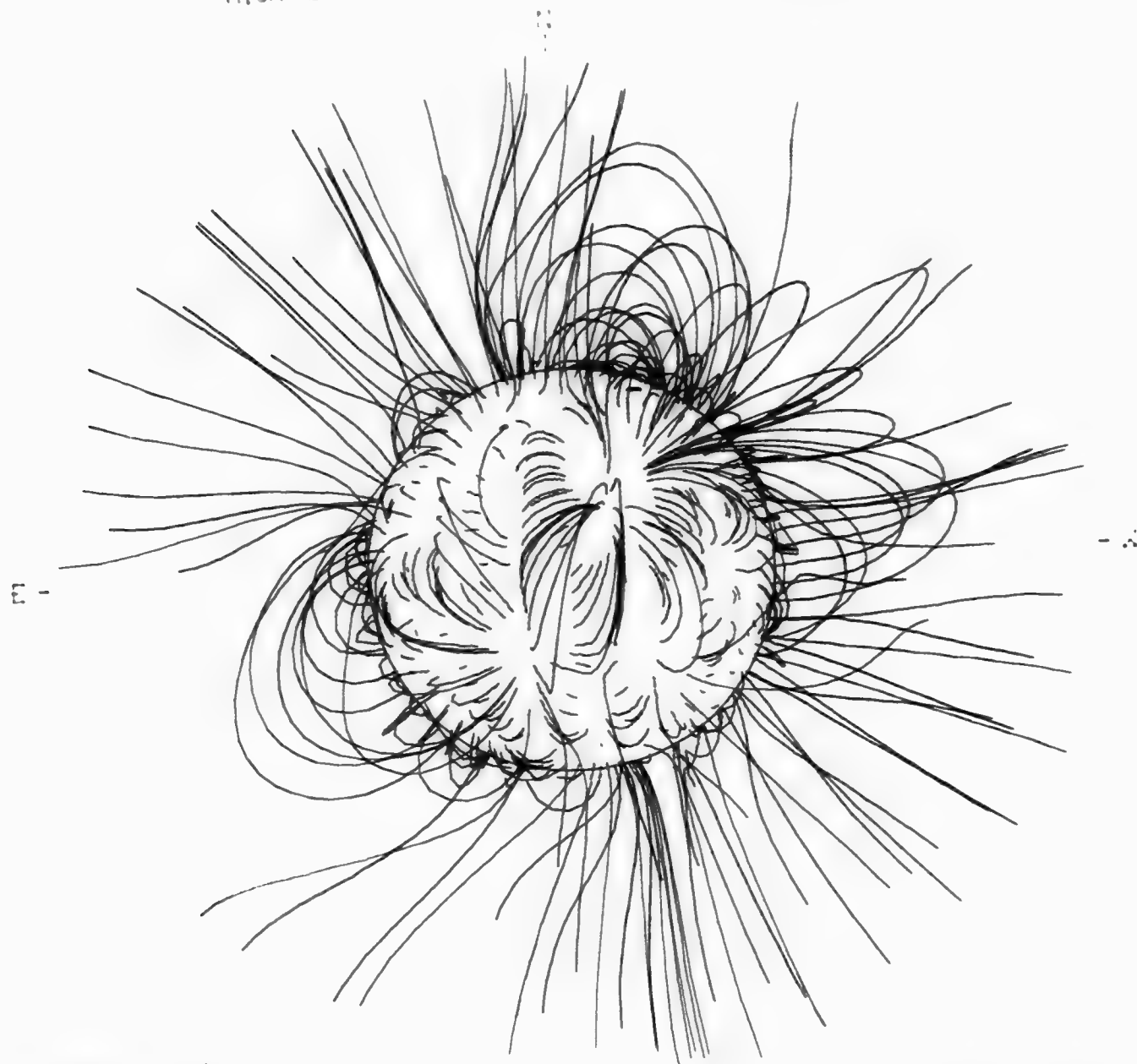
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PLANT DIRECT
 DATA AND/OR 'FOLLOWS'

5.1. '505 2.10. 3.10.
 5.1 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA AND/OR "504.4"

1
S

RJT. '525 LONG. 311°
5.8 SEP '67

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

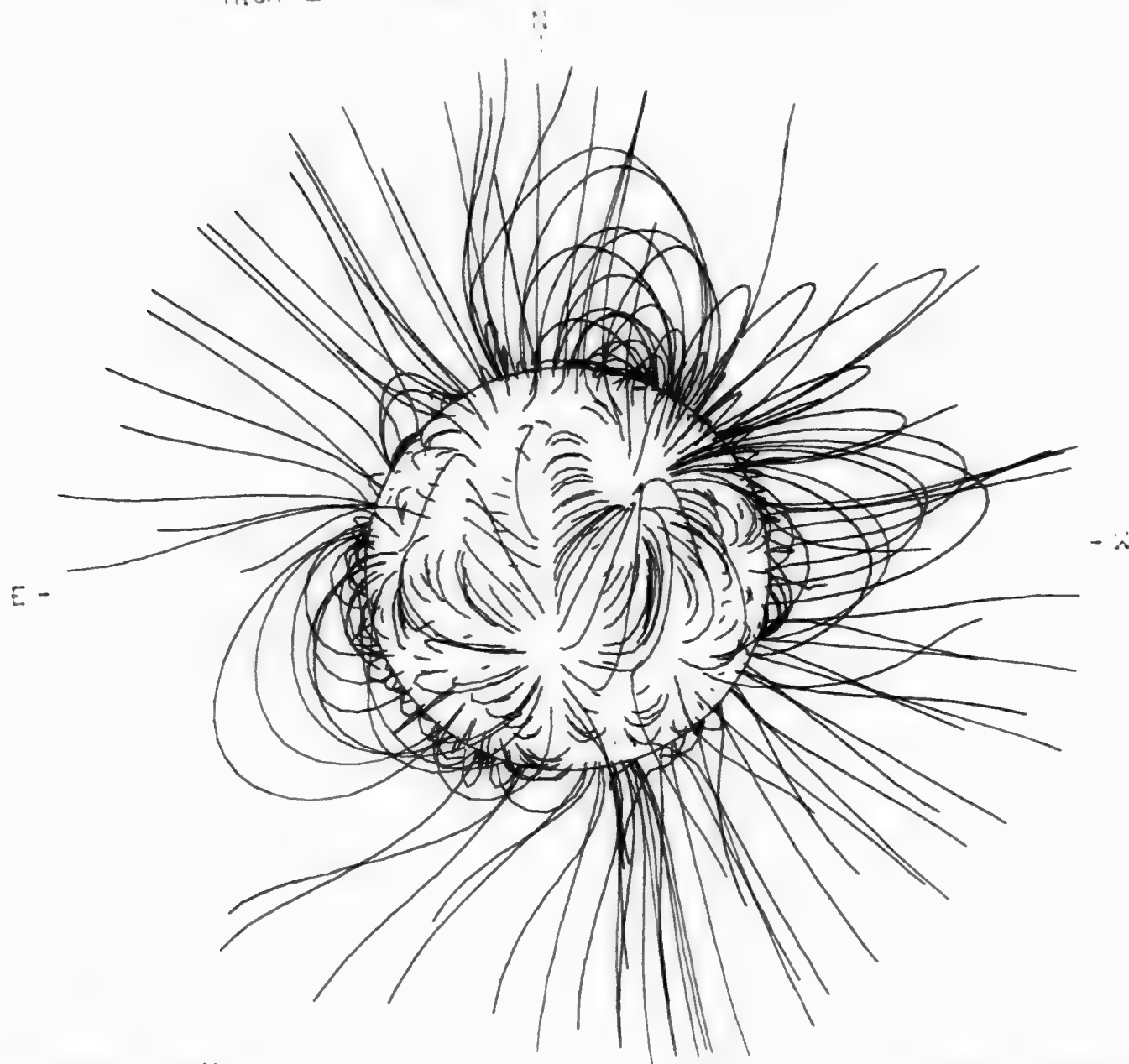
DATA AREA IN 1524.57

S

ROT. 1525 LONG. 500°

5.8 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

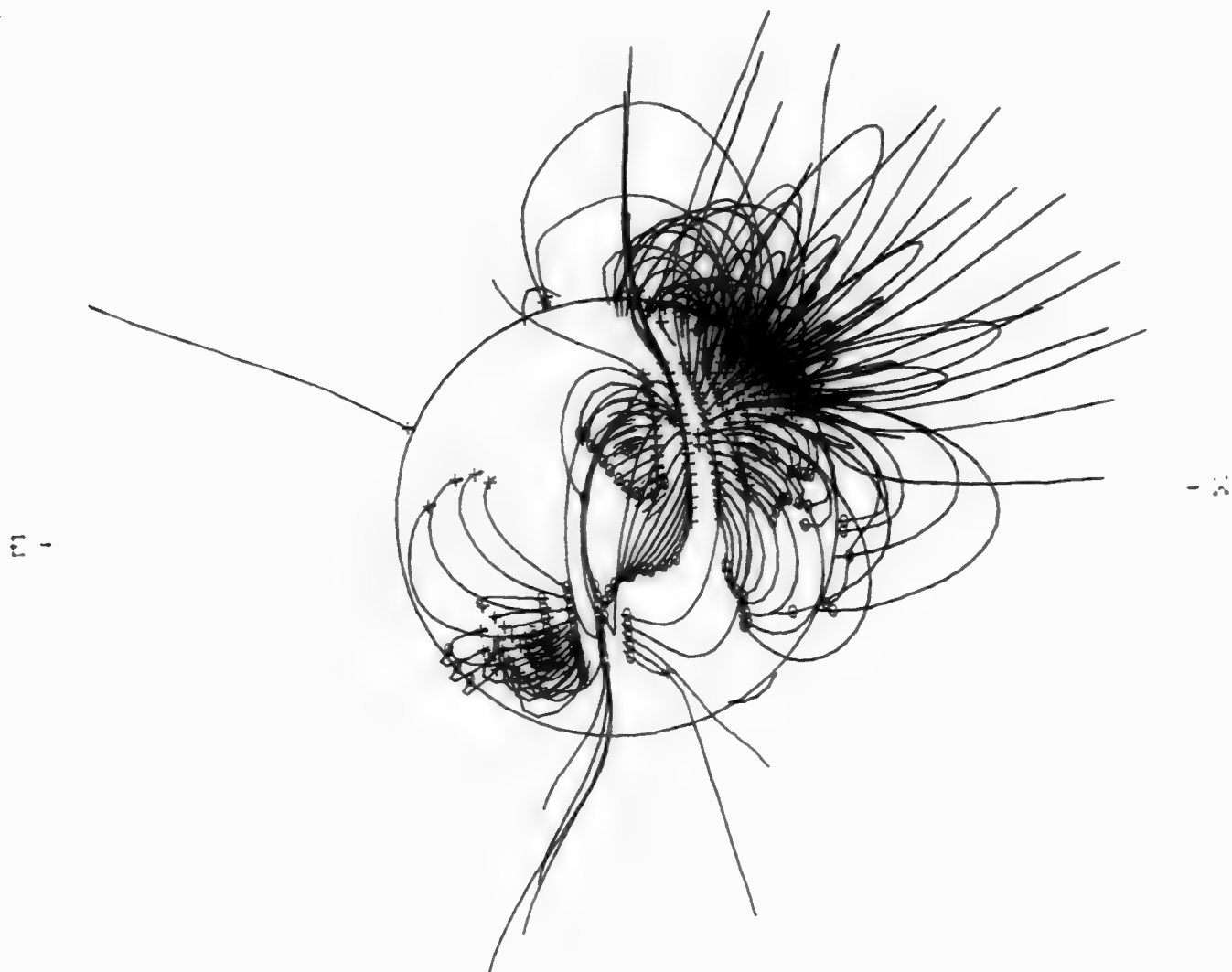


QUALITY FAIR
 RULES DIRECT
 DATA AREA 1524.47

S

ROT. 1525 2013. 241
 6.6 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

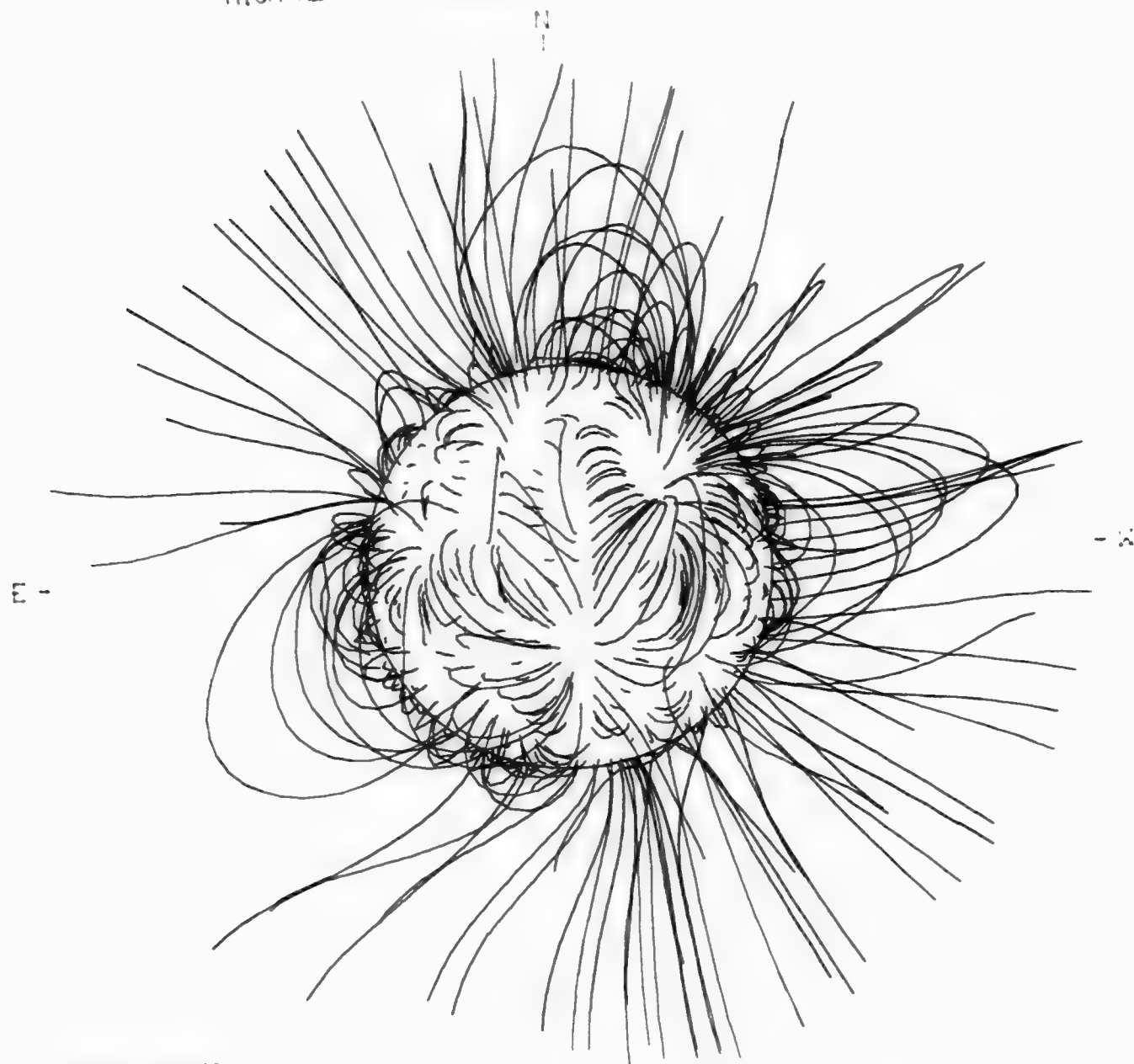


HALE OBSERVATORY
 HALES DIRECT
 DATA AND/OR 1524.57

S

ROT. 1525 1113.240
 6.6 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

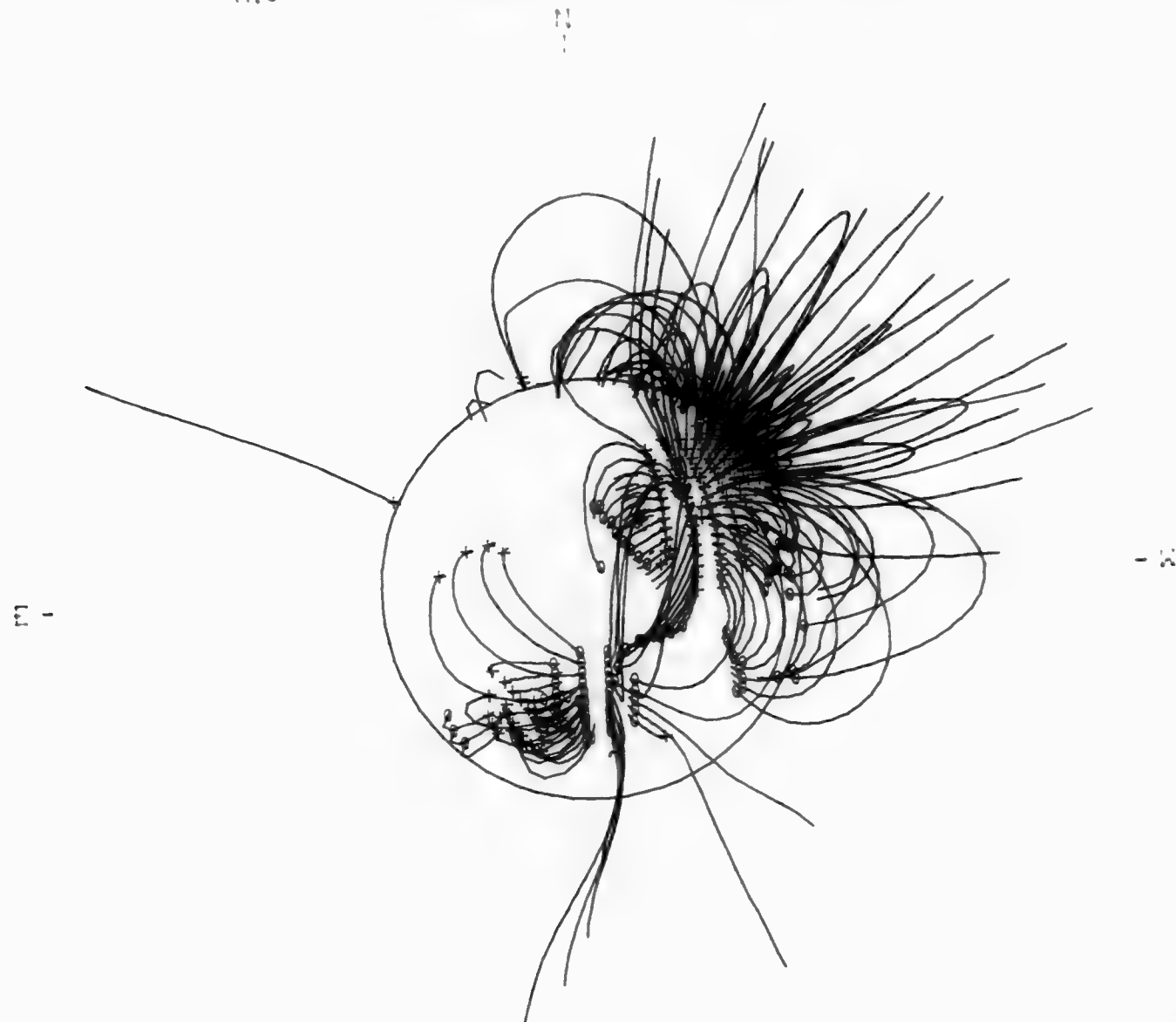


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1504.47

S

ROT. 1525 LONG. 281°
7.3 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

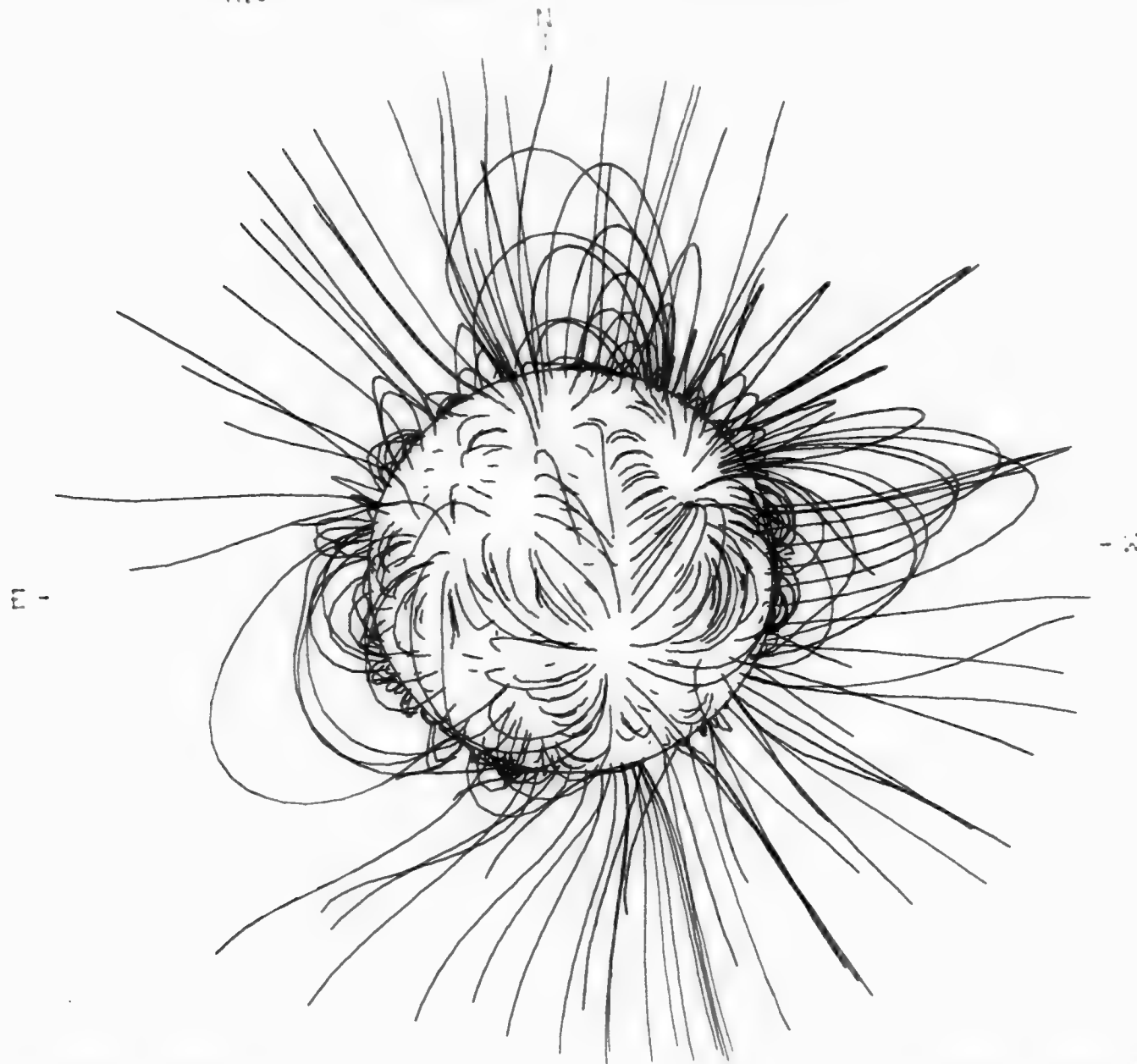


QUALITY FAIR
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S

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 7.3 SEP 1967

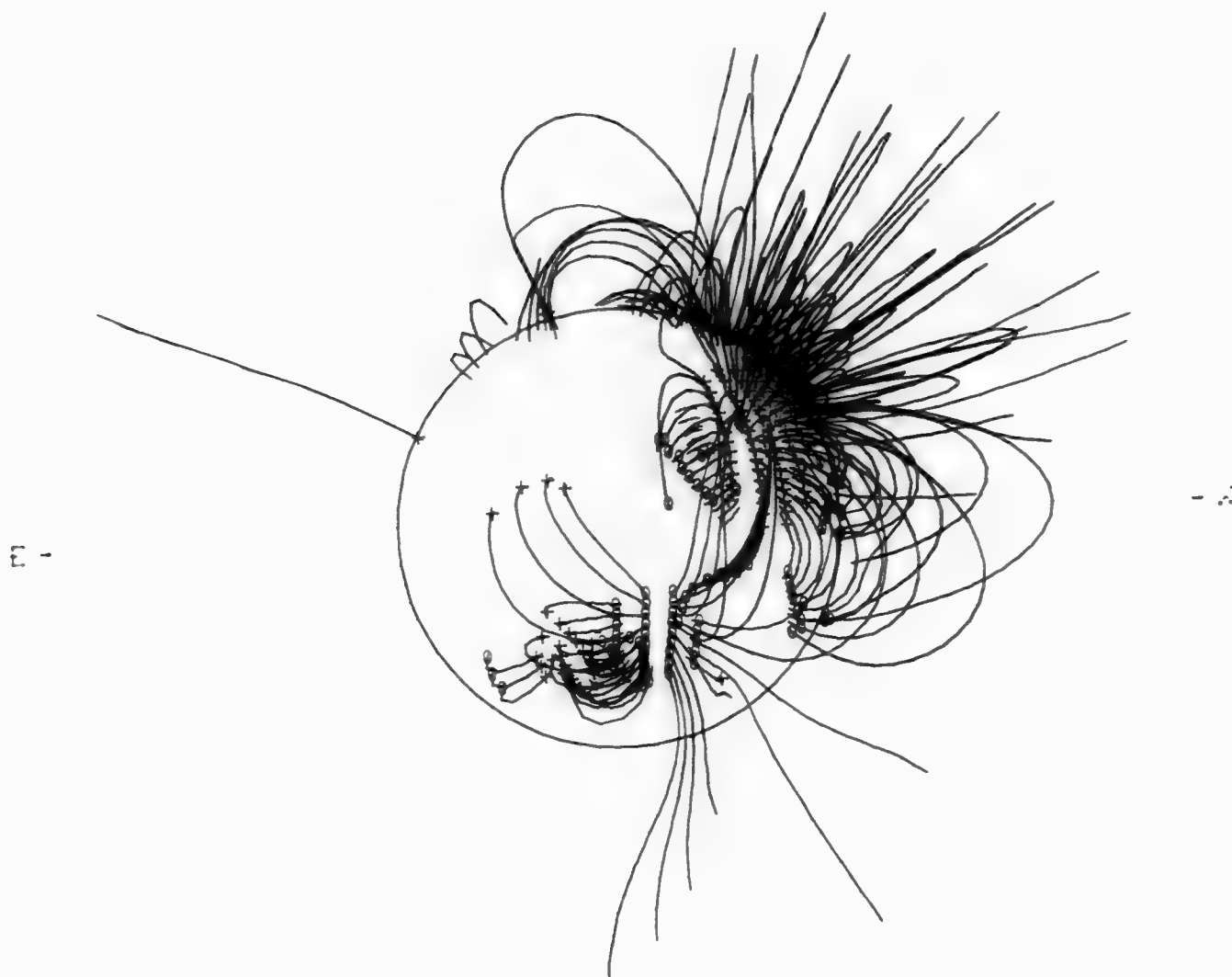
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
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 DATA WINDOW 1524.47

RTT 1525 100.000
 A. SEP 1977

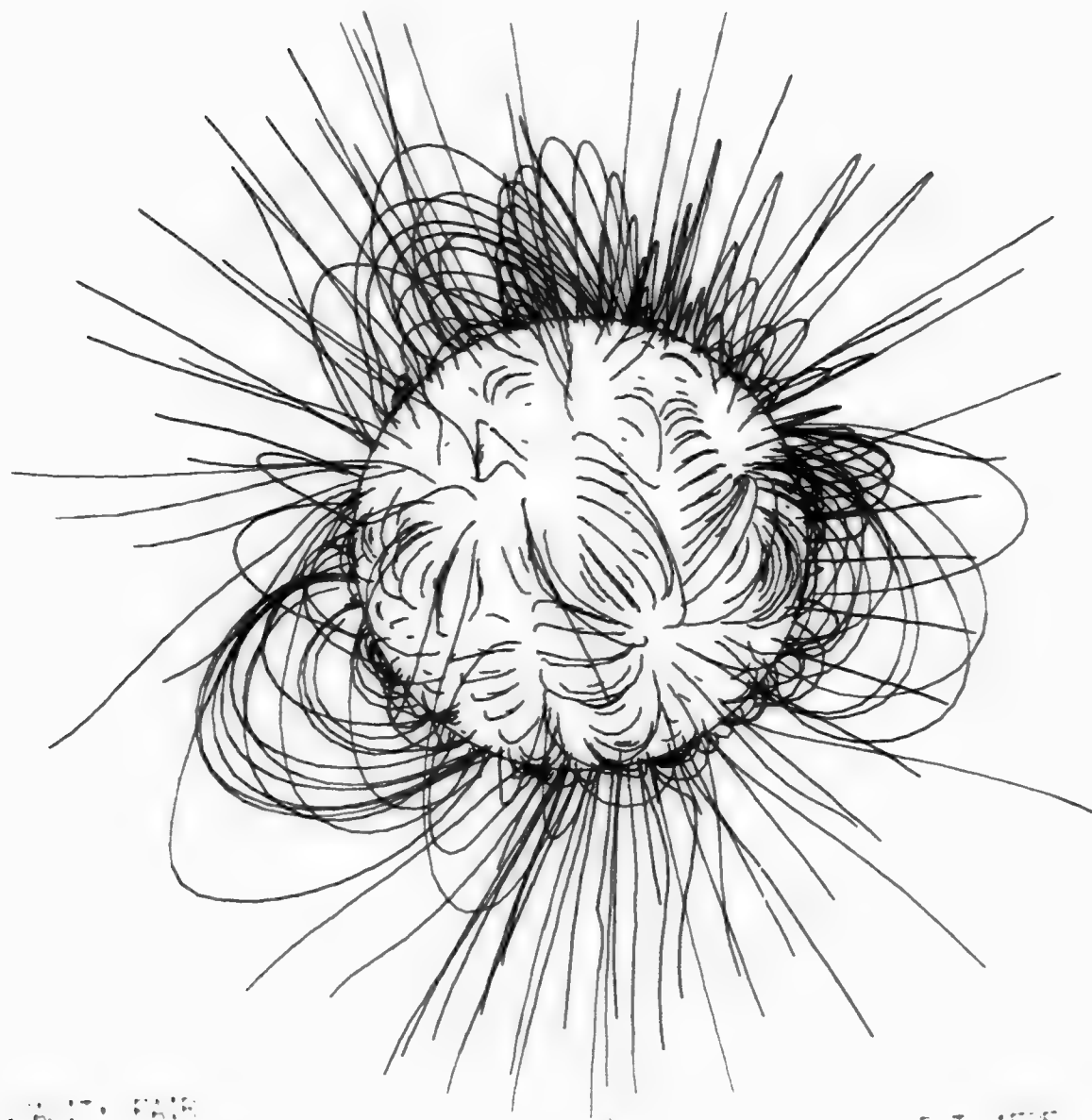
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA WINDOW 1524.47

RUT. 1525 1110. 270°
 8.1 SEP 1967

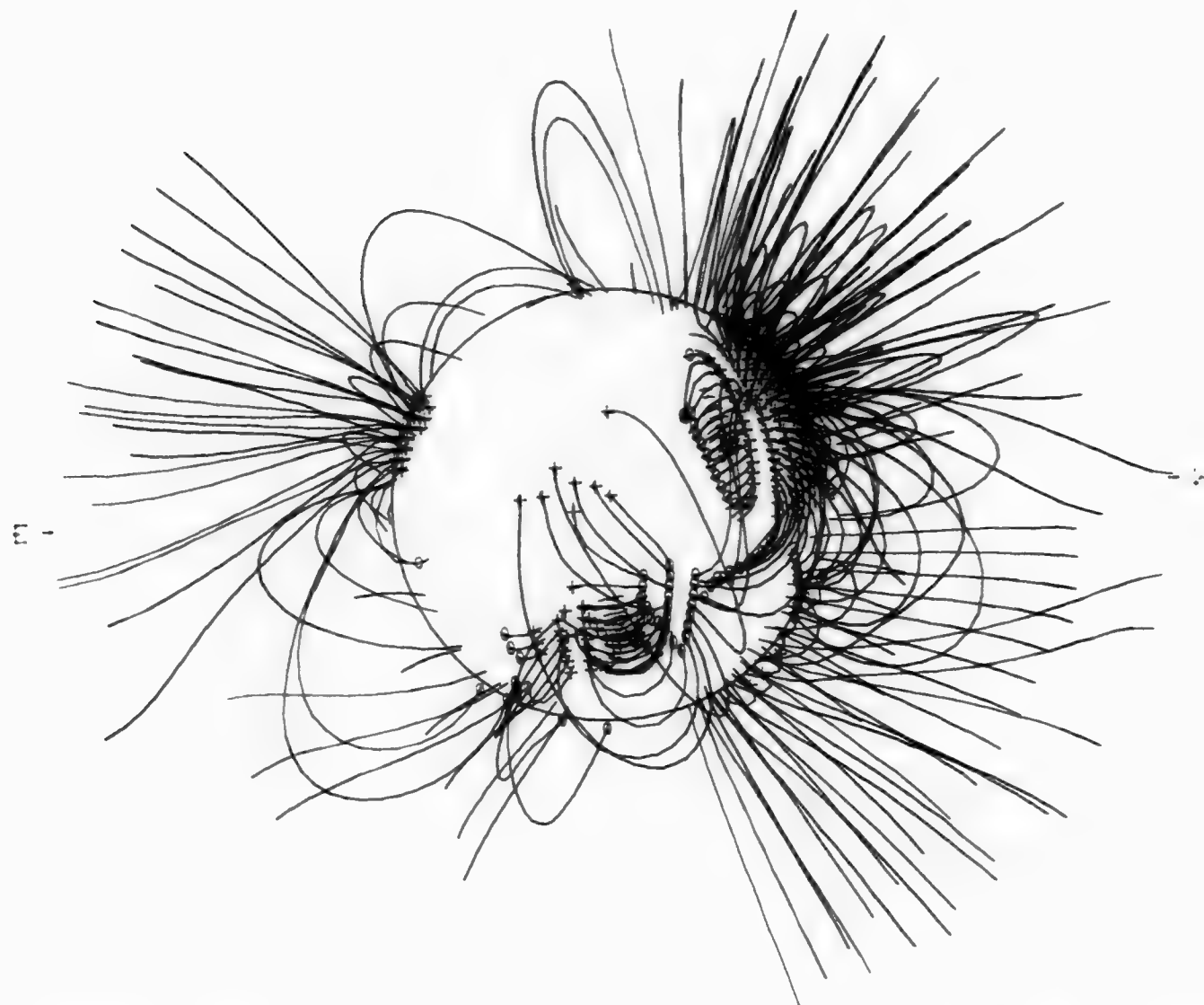
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, PAIR
 RULES DIRECT
 DATA WITHIN 1955.00

HALE, PAIR
 RULES DIRECT
 DATA WITHIN 1955.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

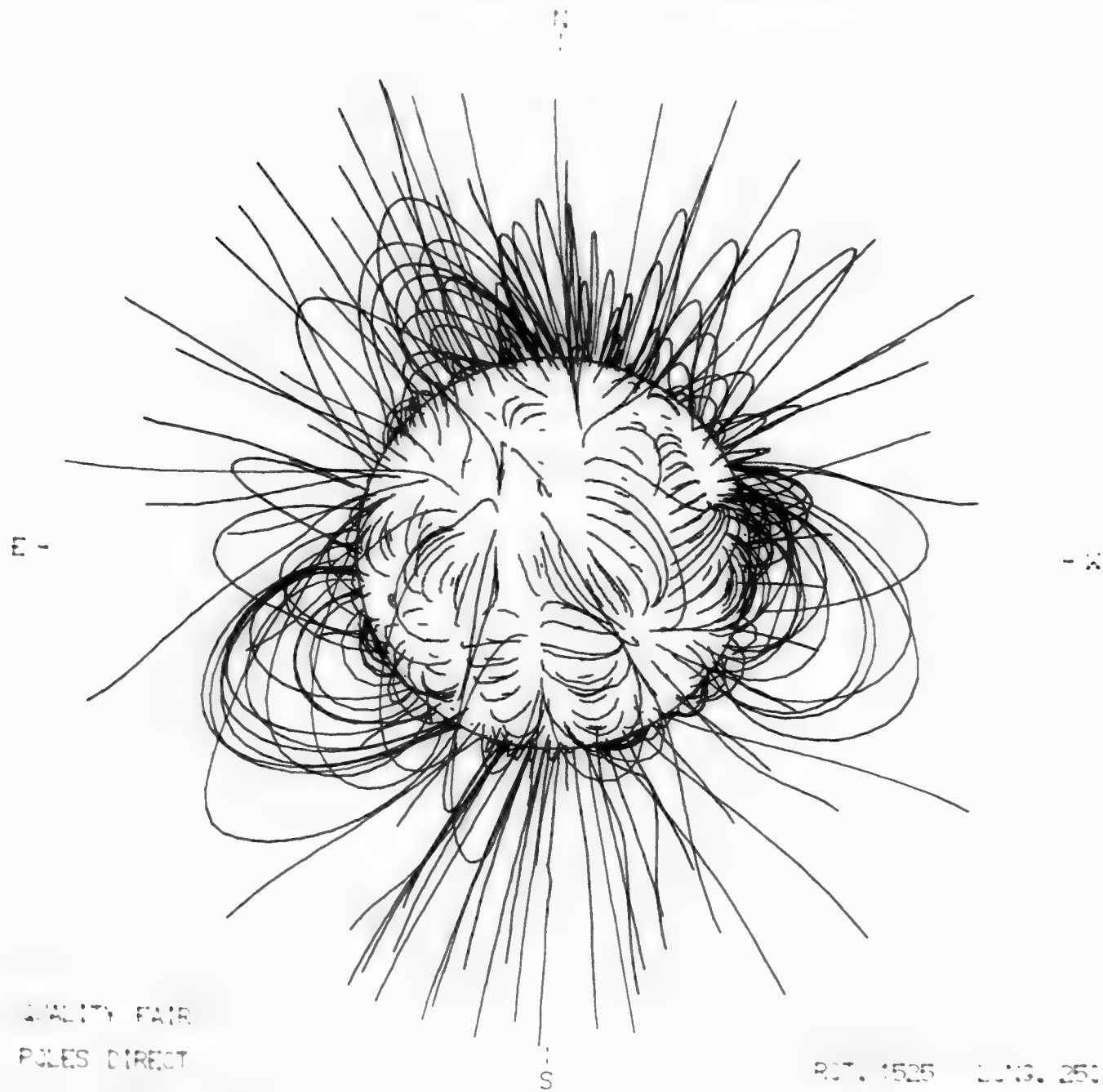


QUALITY FAIR
 FULLY CREDIT
 DATA WINDOW 1525.00

S

R.T. 1525 1113.240
 8.4 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

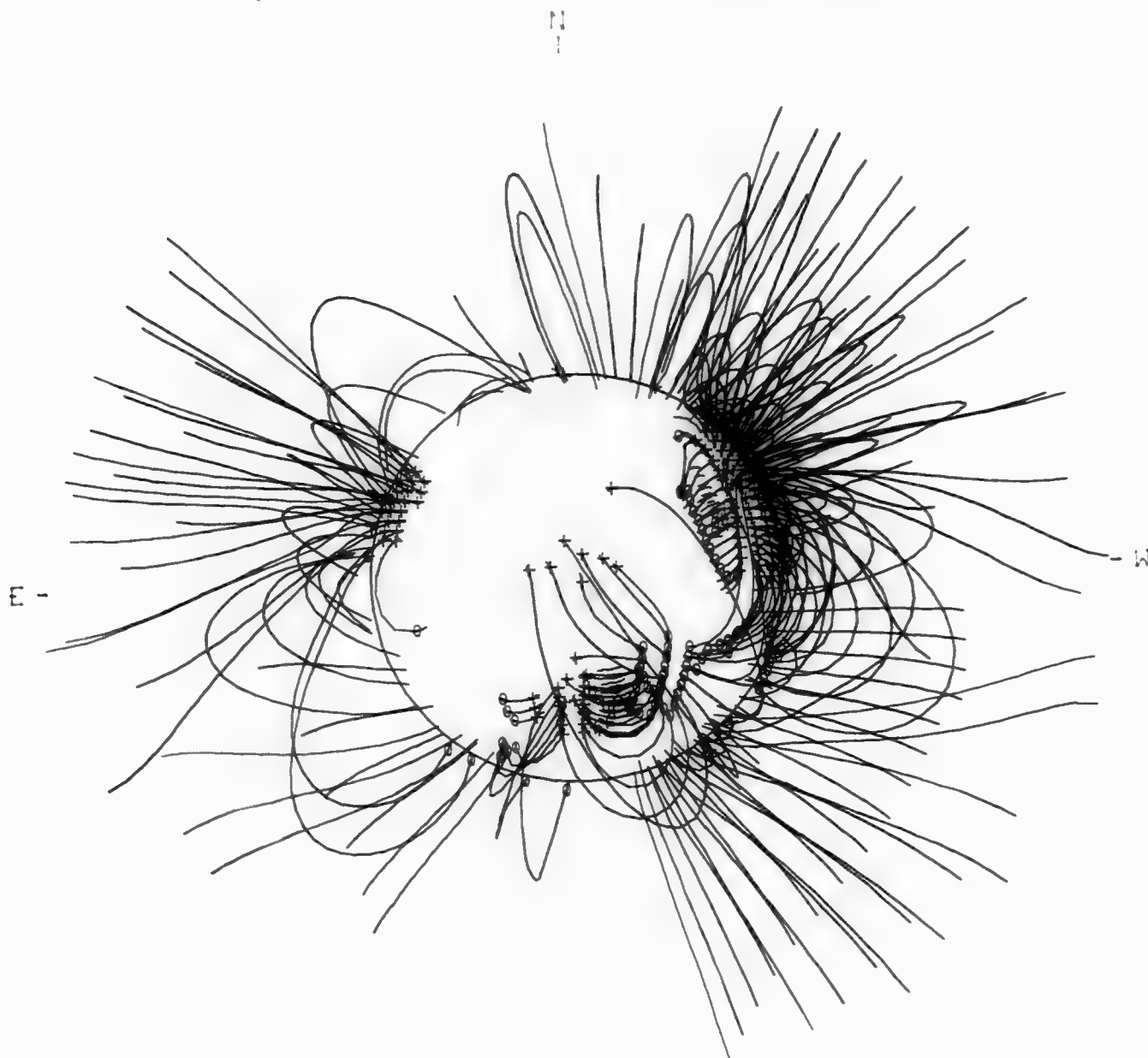
POLES DIRECT

DATA WINDOW 1505.00

ROT. 1525 LONG. 250°

4.6 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

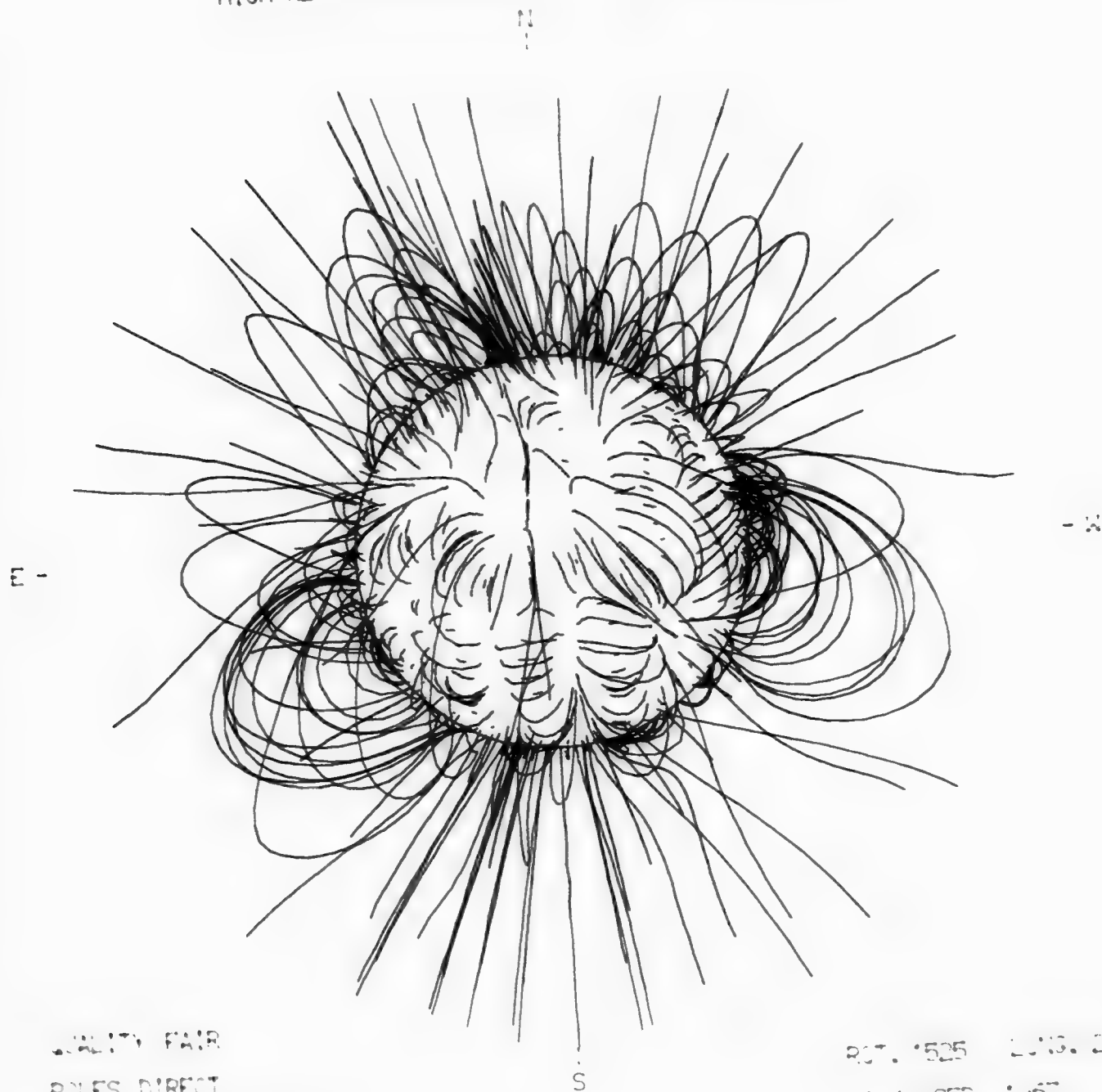


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

S

ROT. 1525 LONG. 250°
9.6 SEP 1967

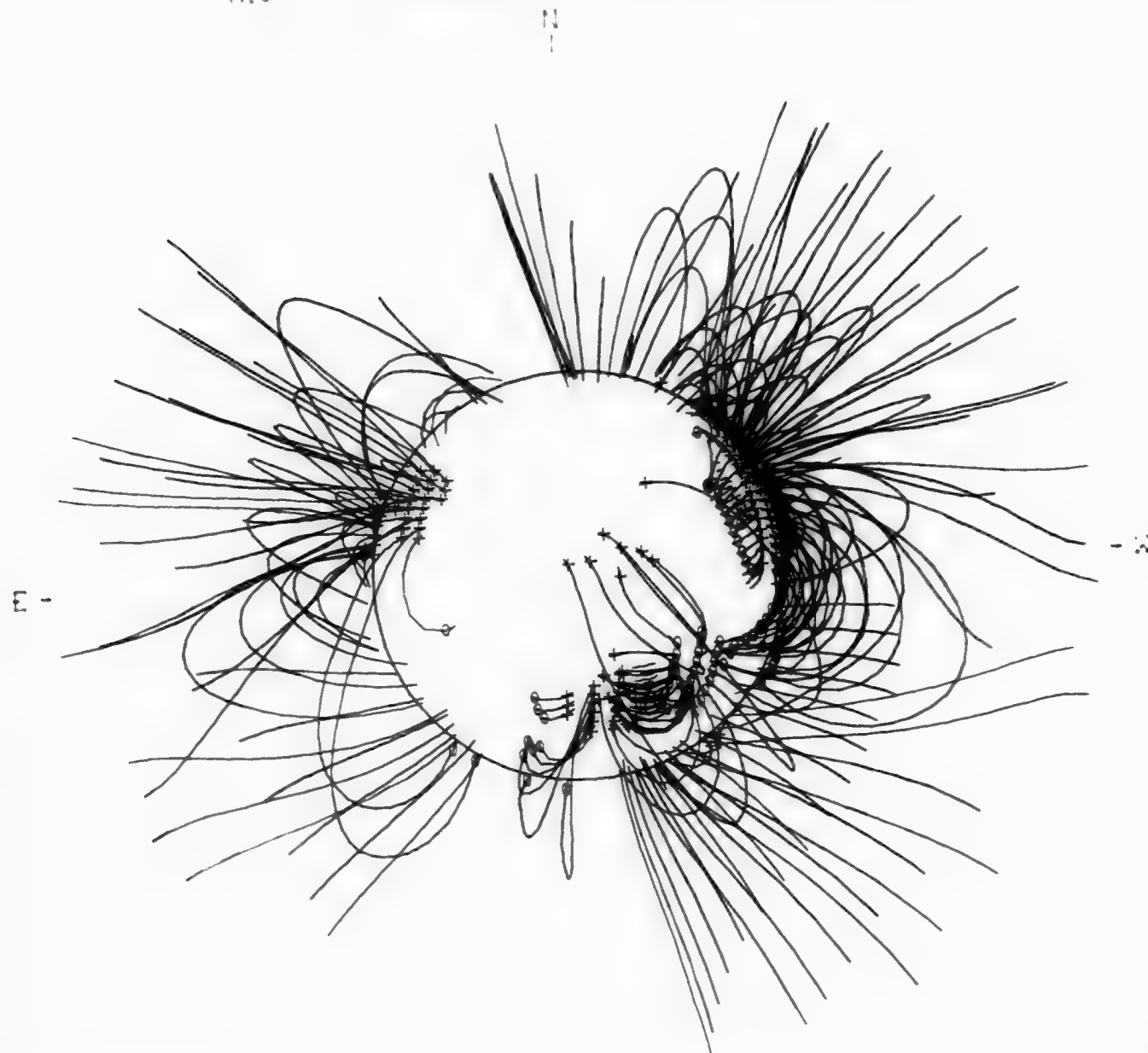
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

ROT. 1525 LONG. 241°
10.4 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

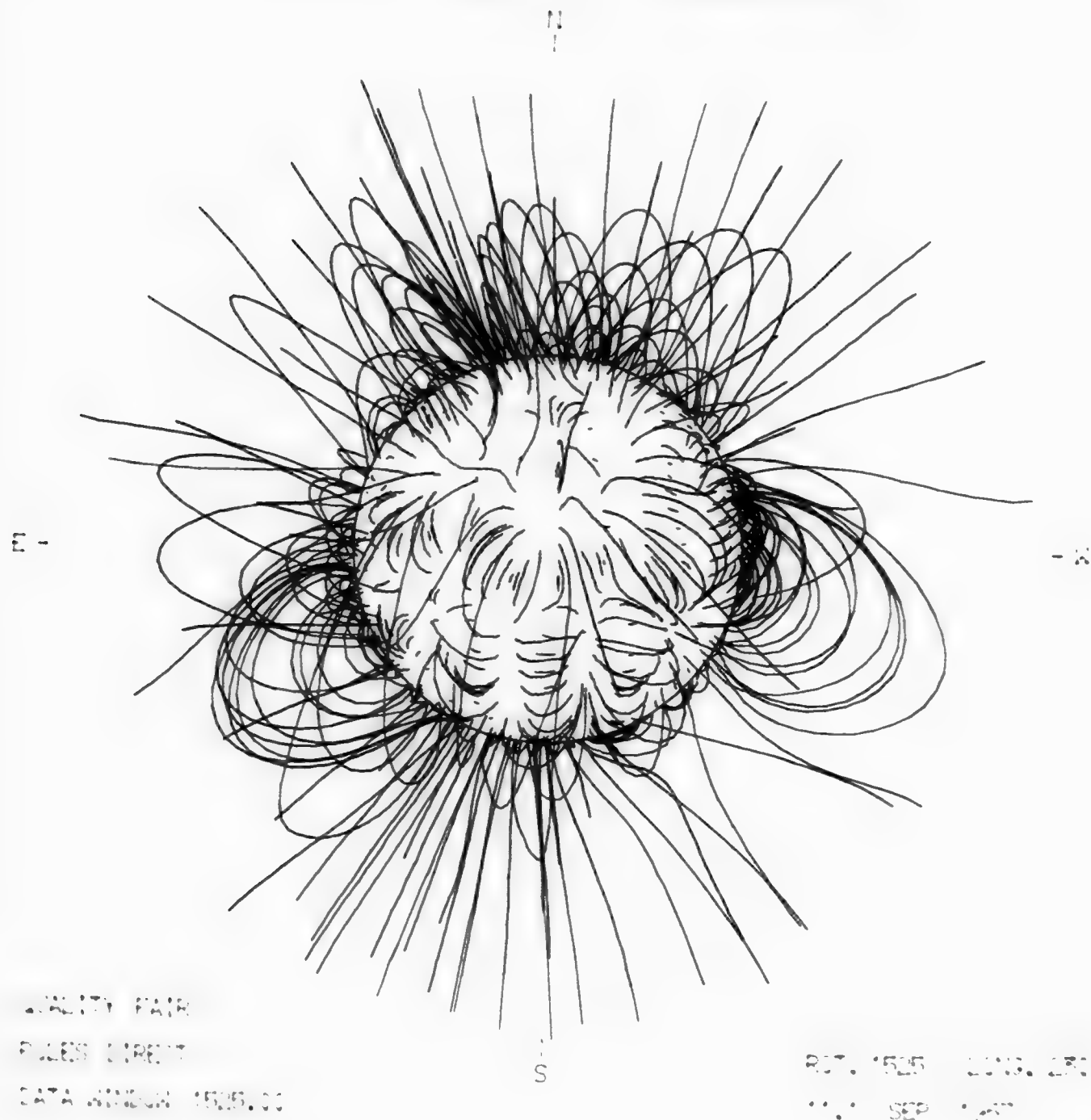


QUALITY FAIR
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 DATA WIND IN 1505.00

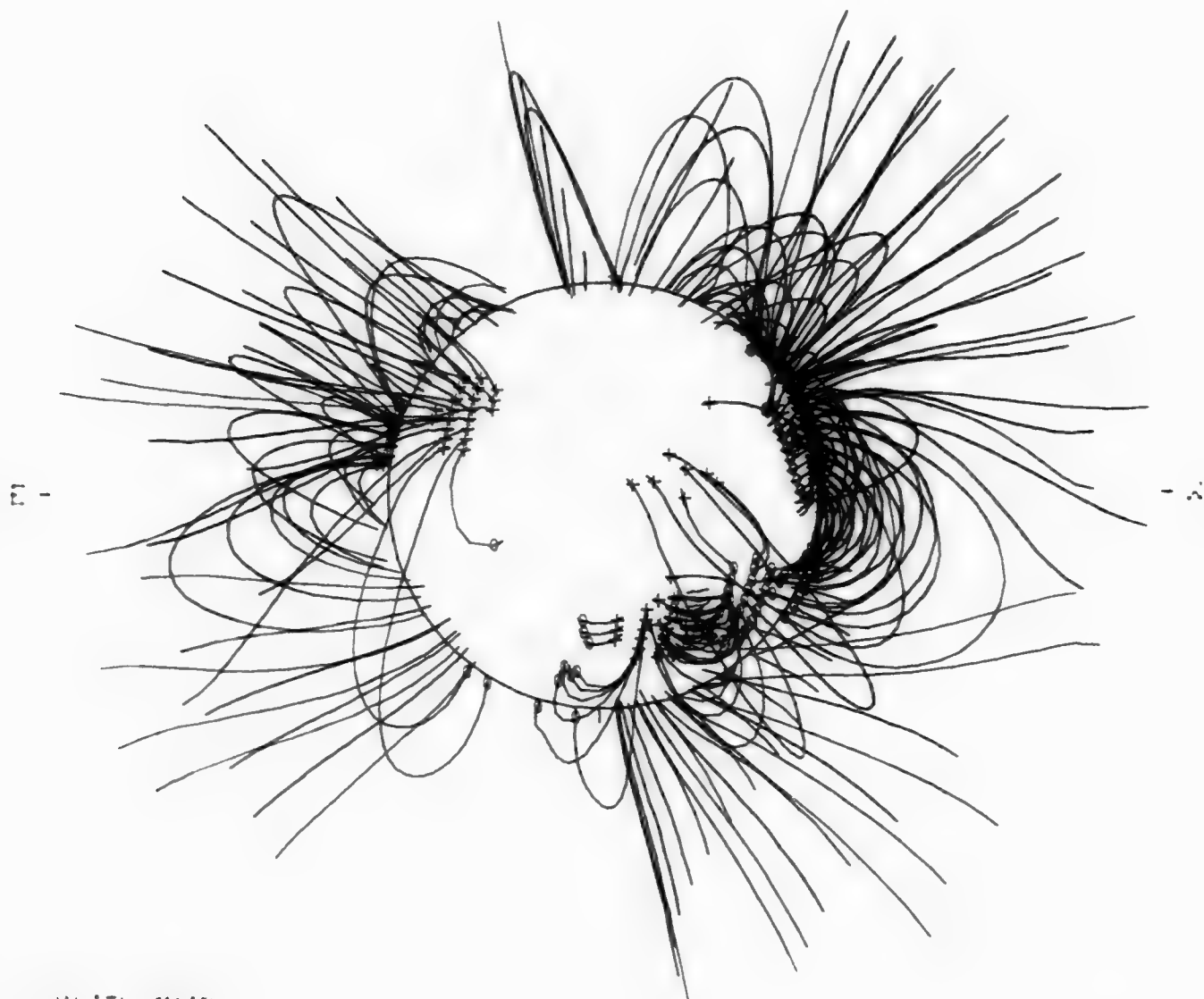
S

ROT. 1525 LONG. 241°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

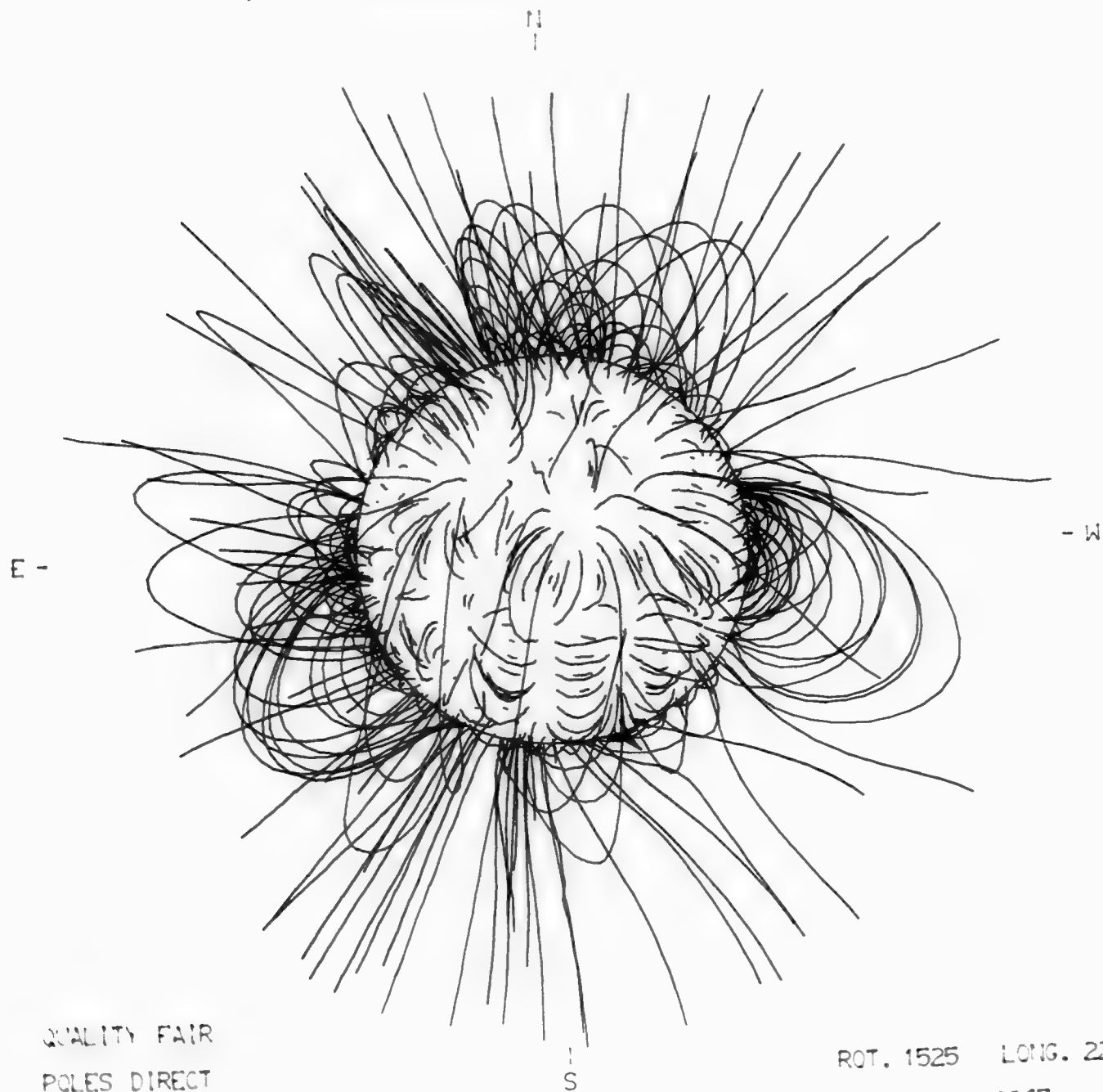
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S

REF. 1525 1005.250

SEP 1967

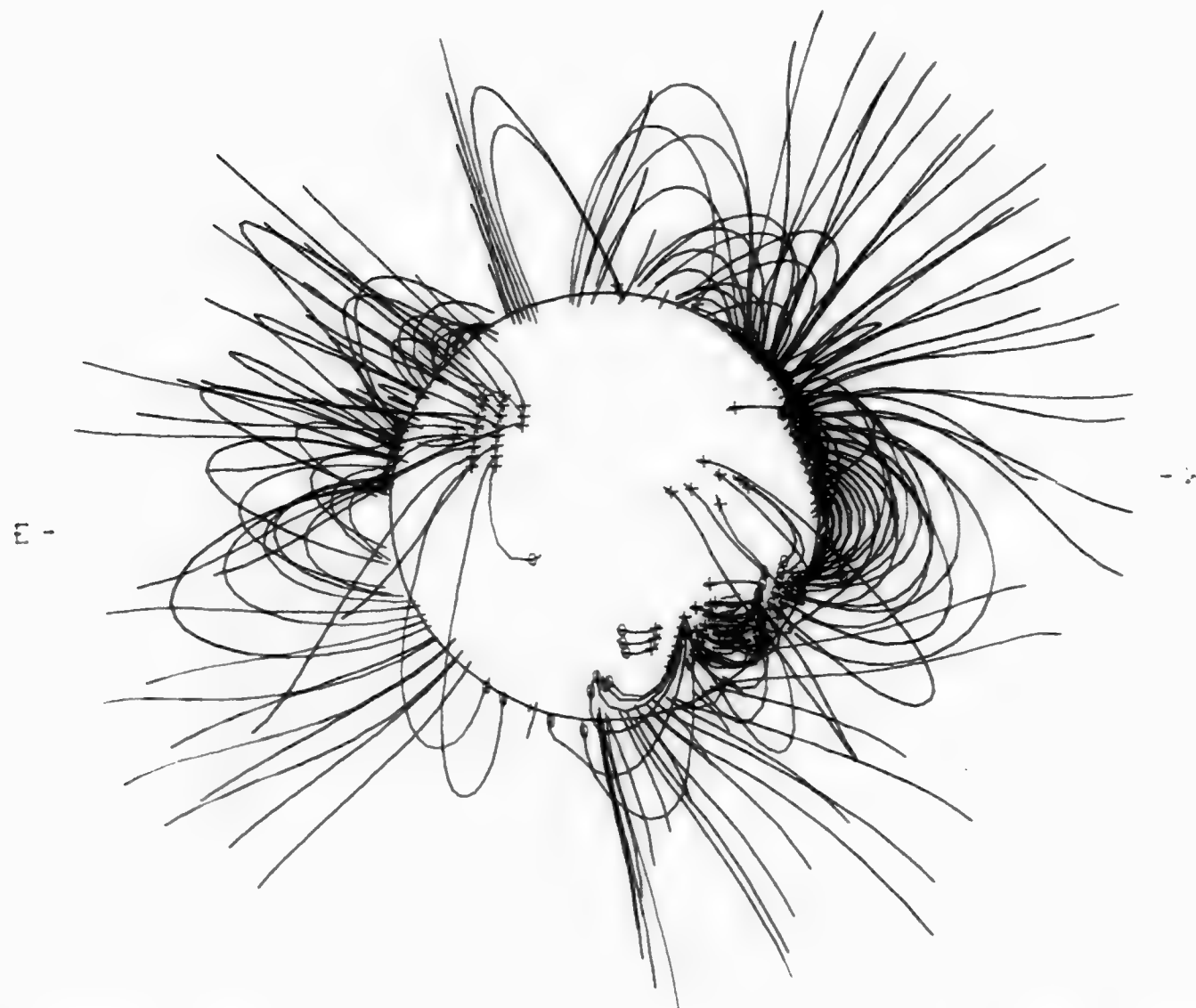
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

ROT. 1525 LONG. 220°
11.9 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

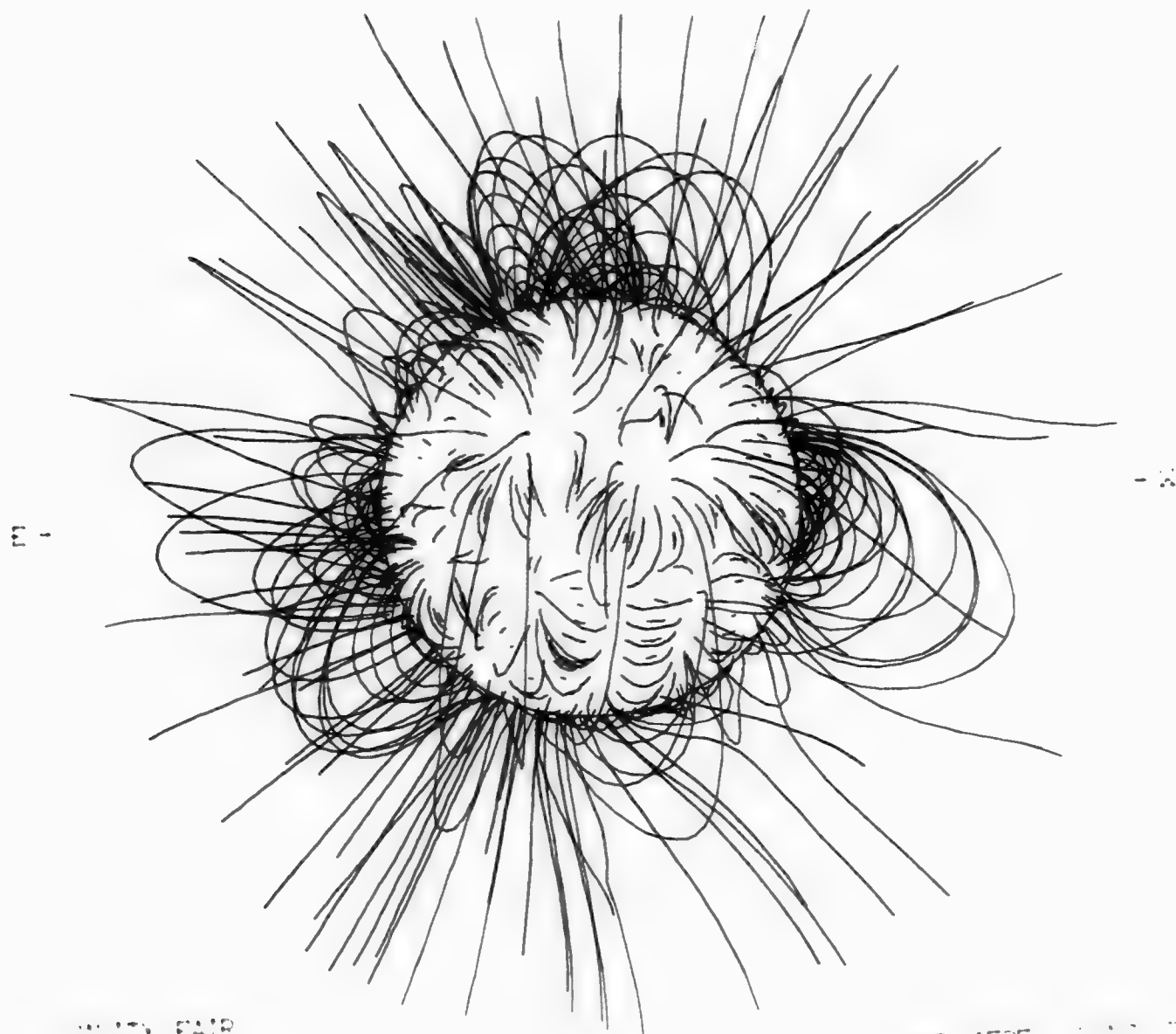


QUALITY FAIR
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S

8.7.1985 21.03.1985
SEP 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

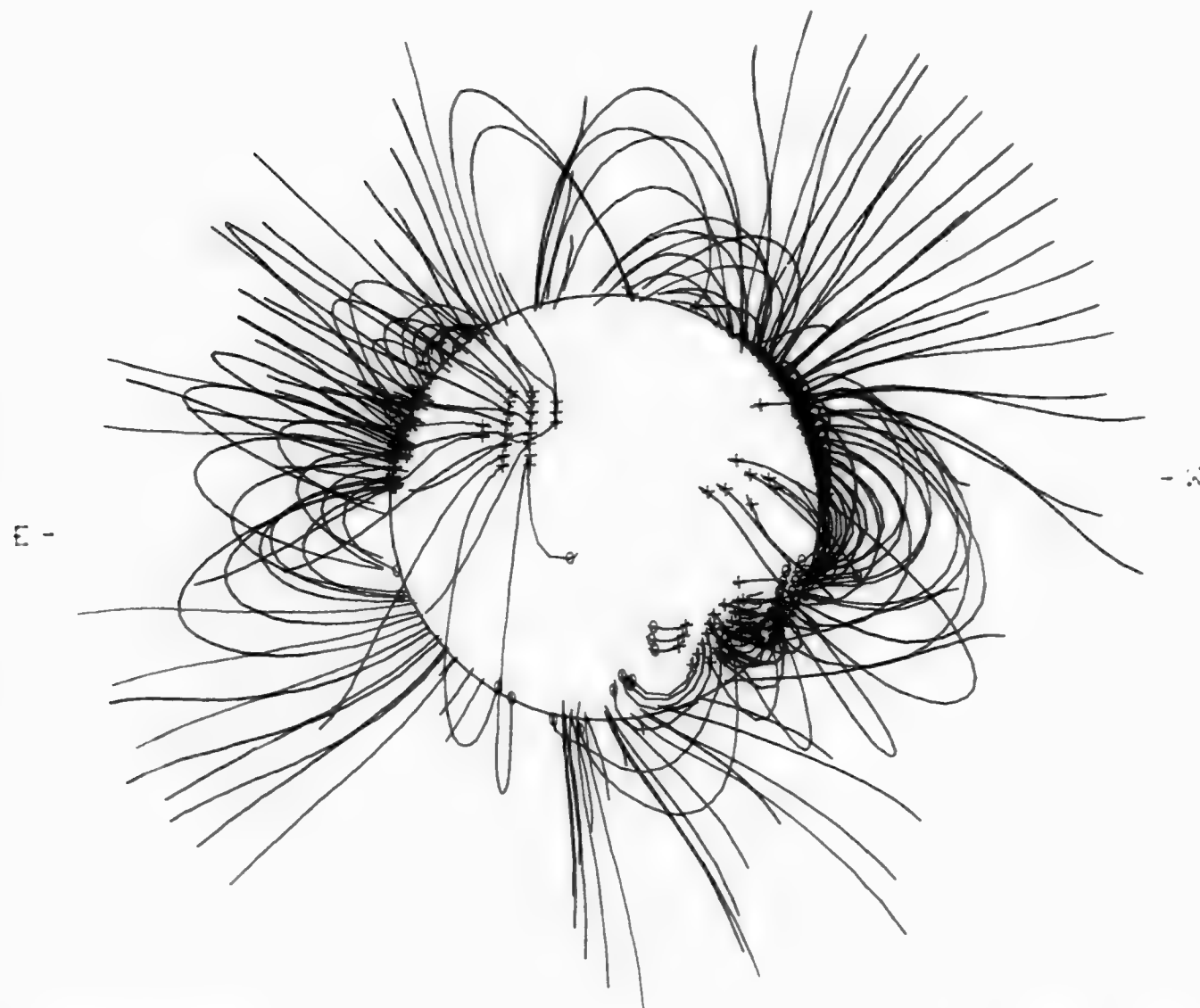


QUALITY FAIR
FILES DIRECT
DATA WINDOW 1525.00

S

ROT. 1525 LOR. 210°
12.6 SEP 1967

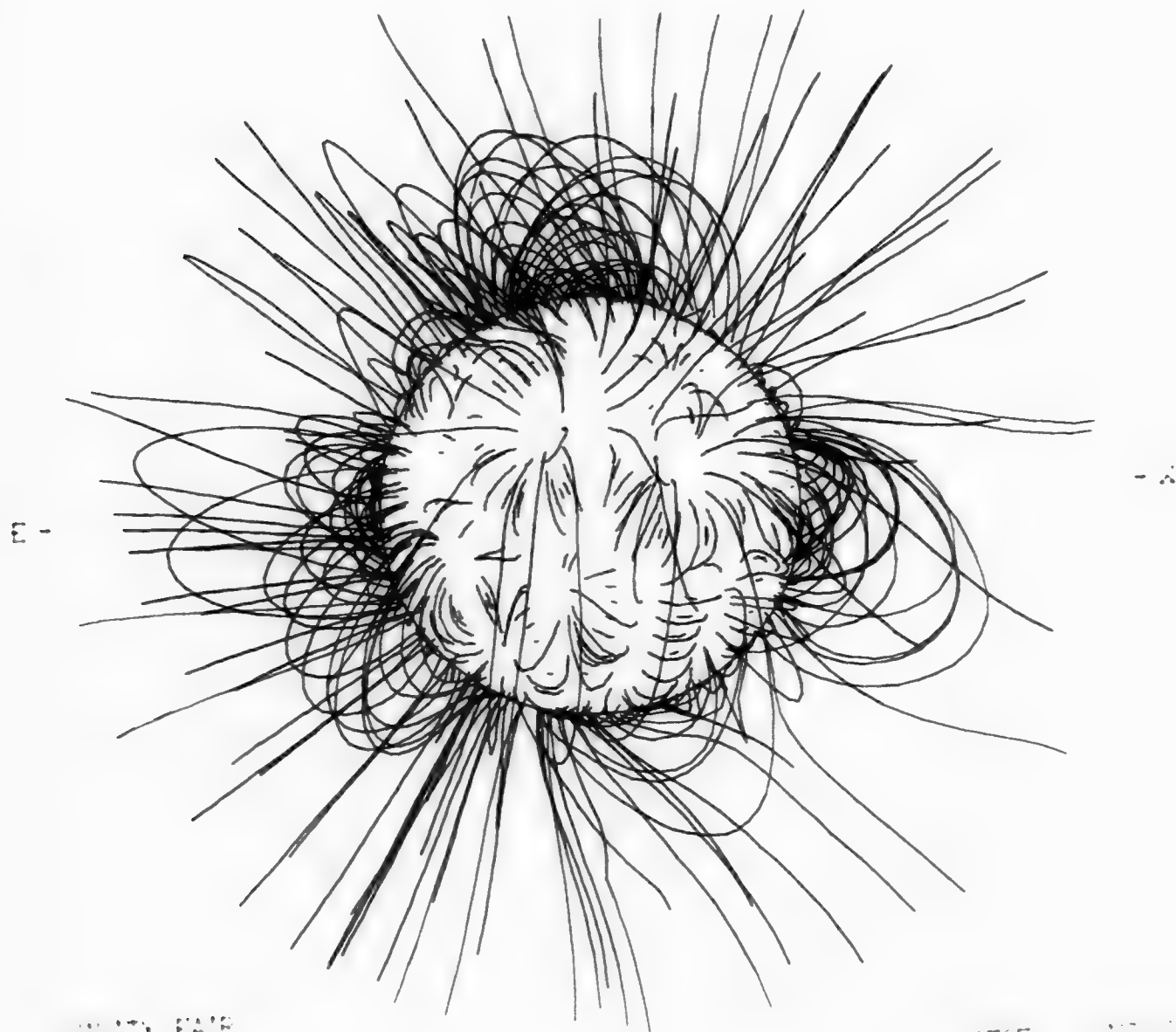
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA WIND IN 1525.00

ROT. 1525 LONG. 211°
 12.6 SEP 1967

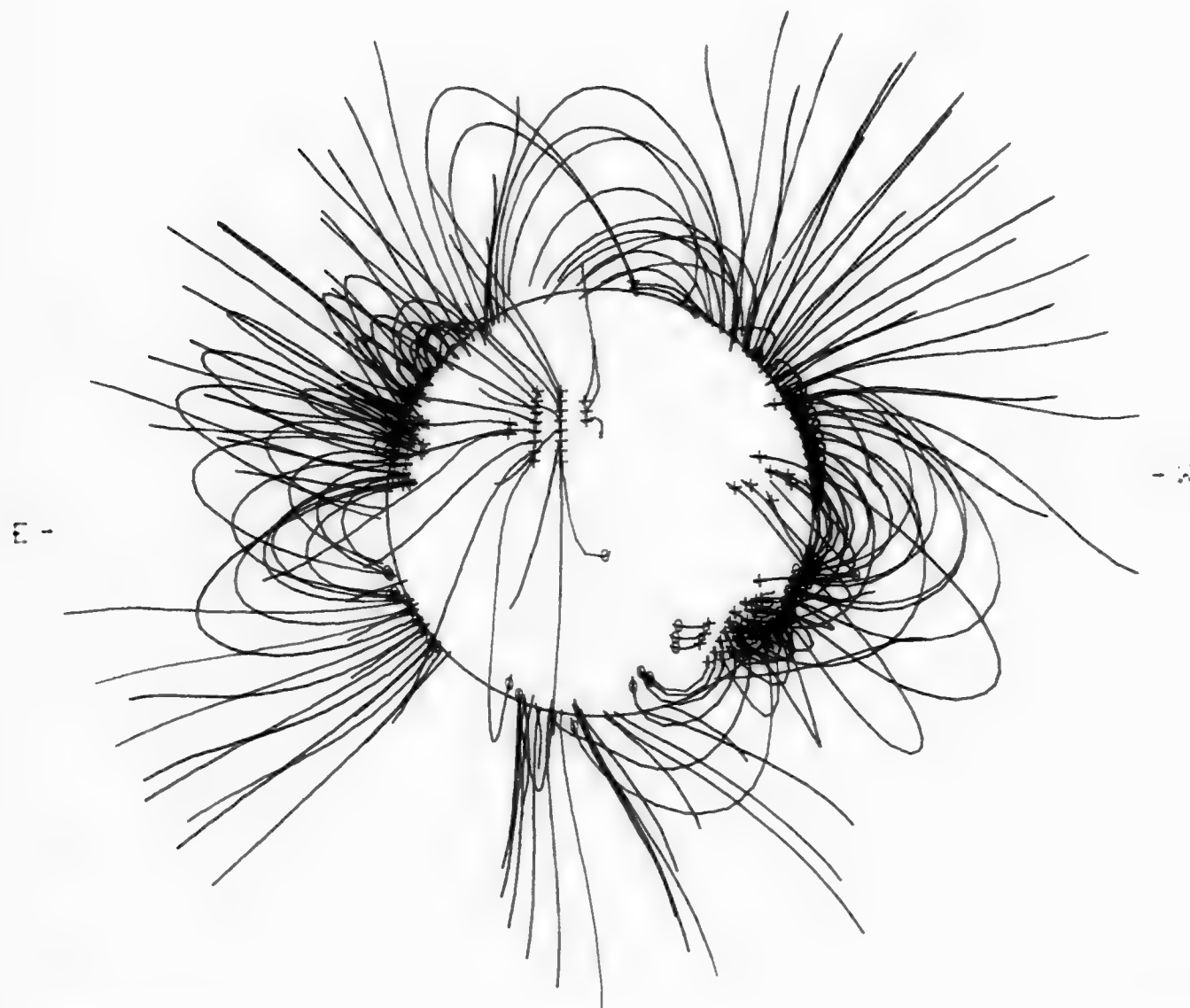
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILED DIRECT
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R.T. 1955 1955.00
13.4 SEP 1955

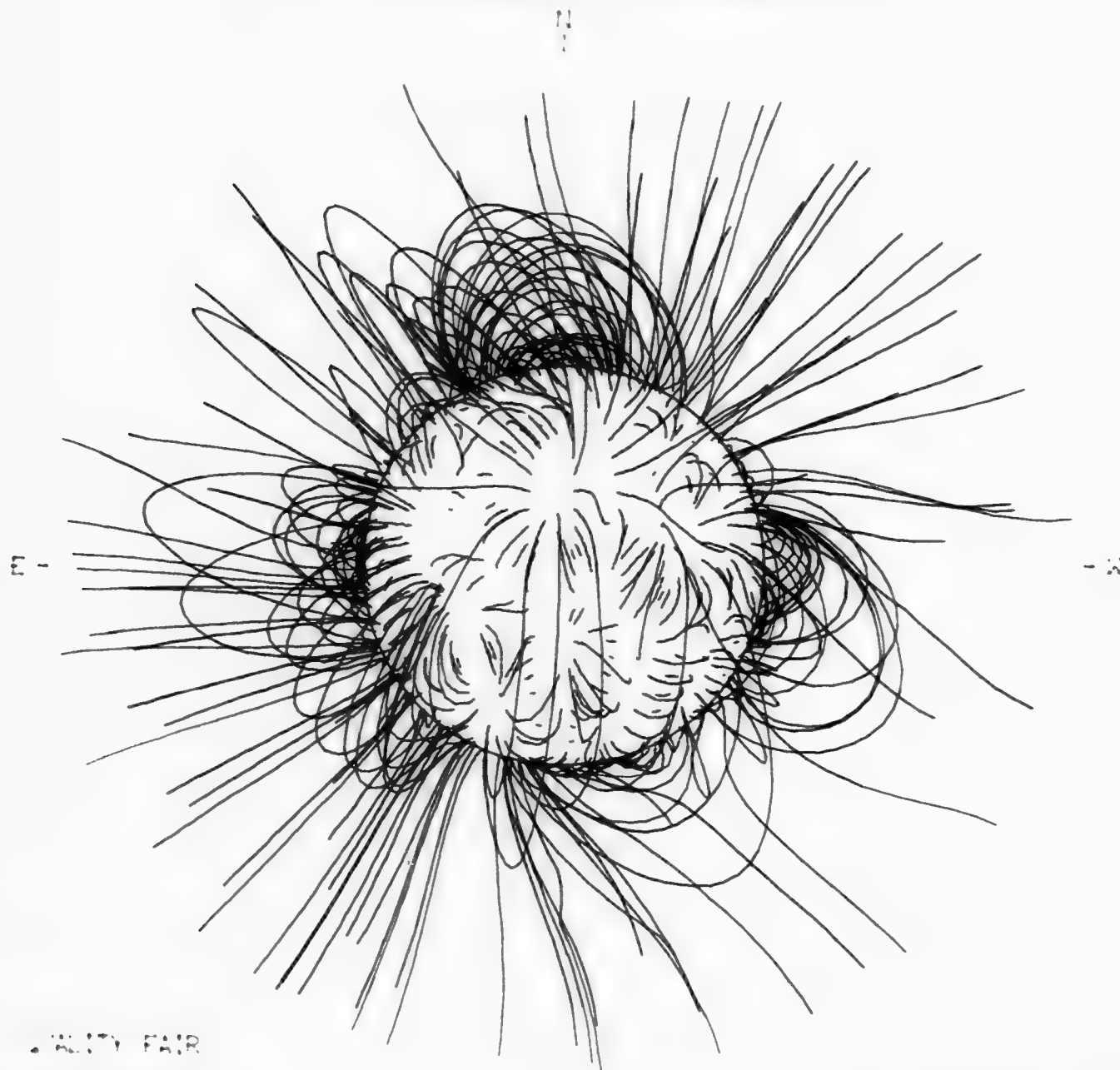
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

ROT. 1525 0.0. 200°
13.4 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

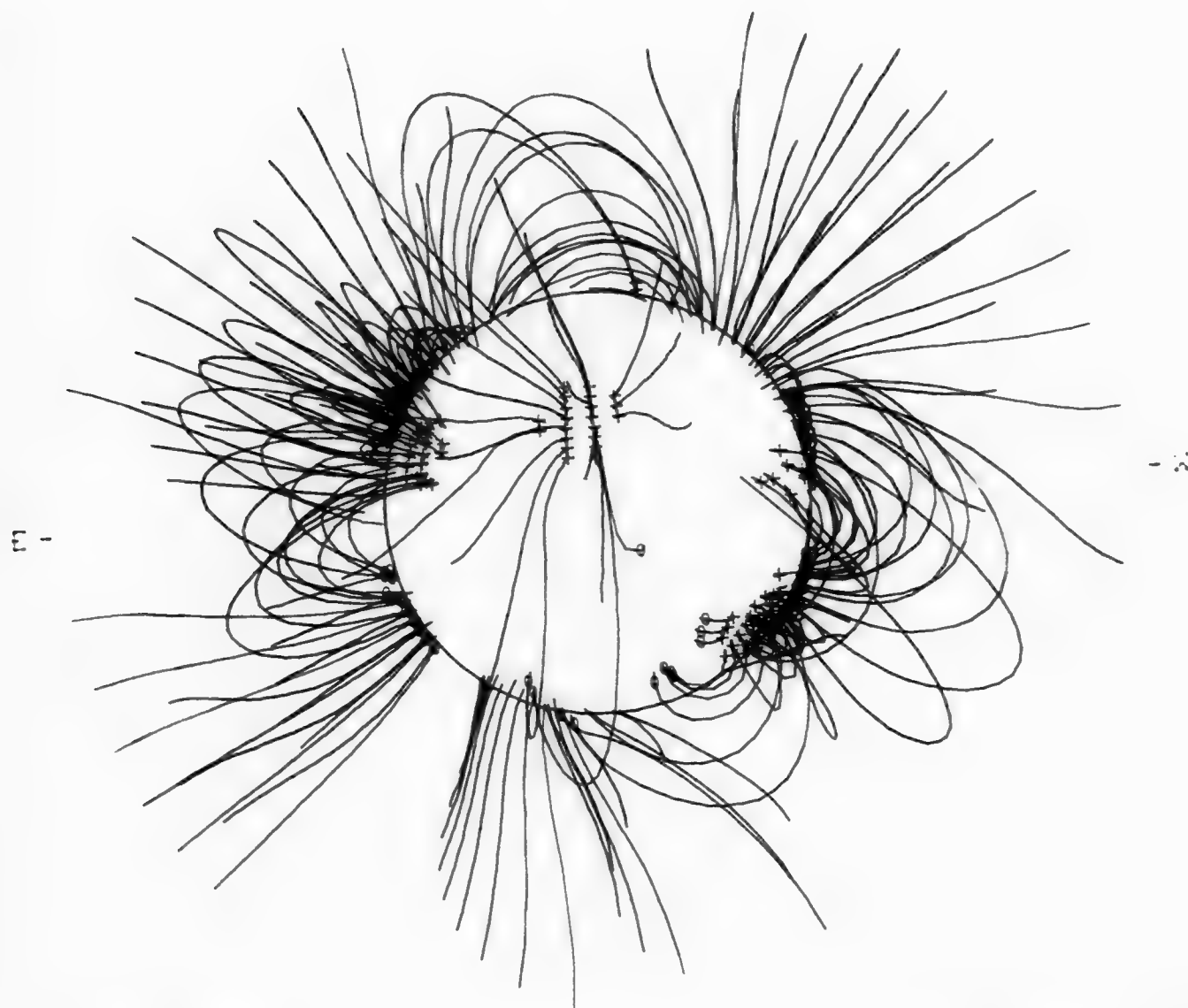
DATA WINDOW 1525.00

S

ROT. 1525 2113. 140°

14.2 SEP 1967

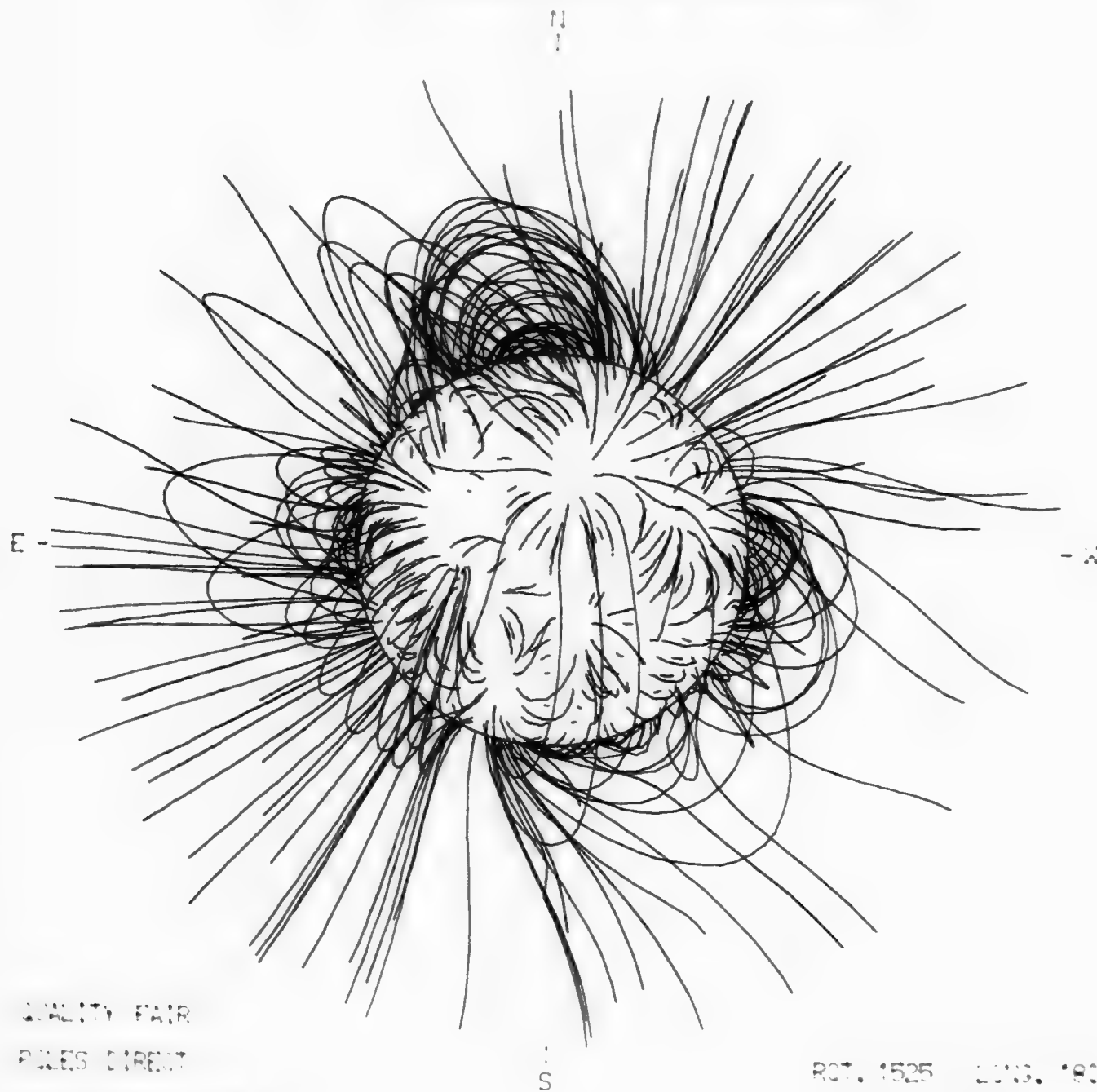
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
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RTT. 1525 1110. 140
14.2 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

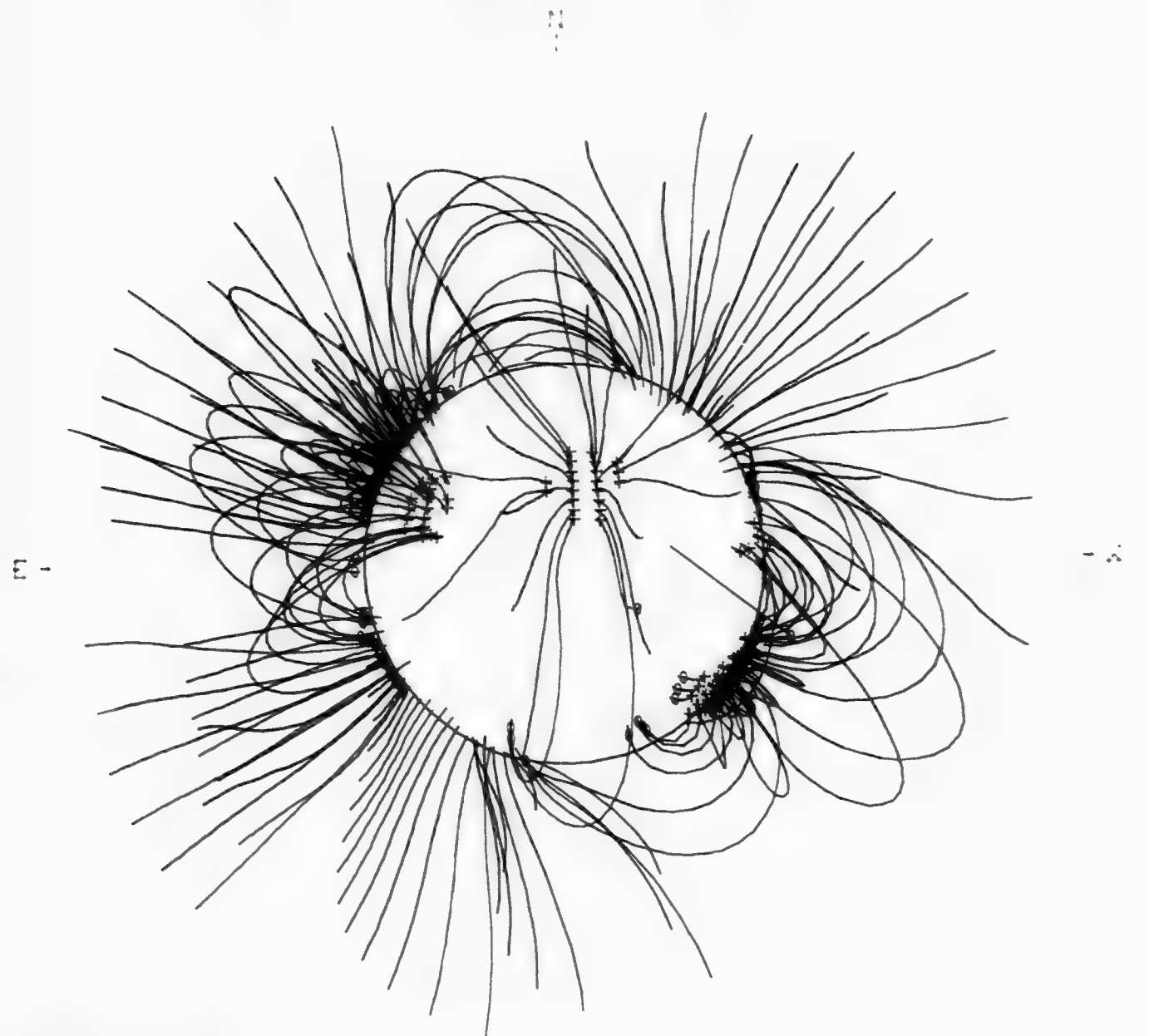
POLES DIRECT

DATA WINDOW 1525.00

ROT. 1525 LONG. 180°

14.9 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

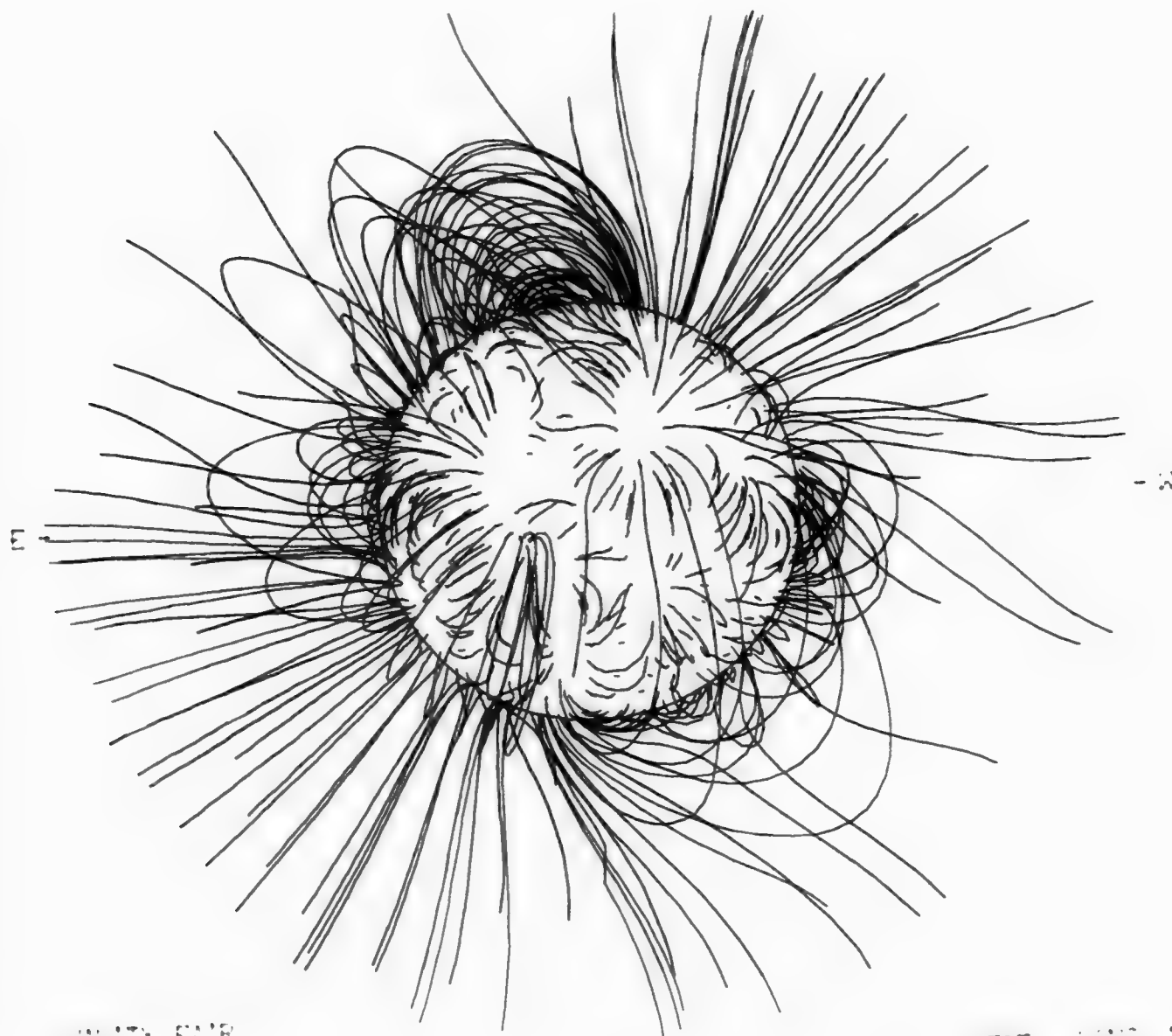
DATA WINDOW 1505.00

S

ROT. 1525 LONG. 180°

14.9 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

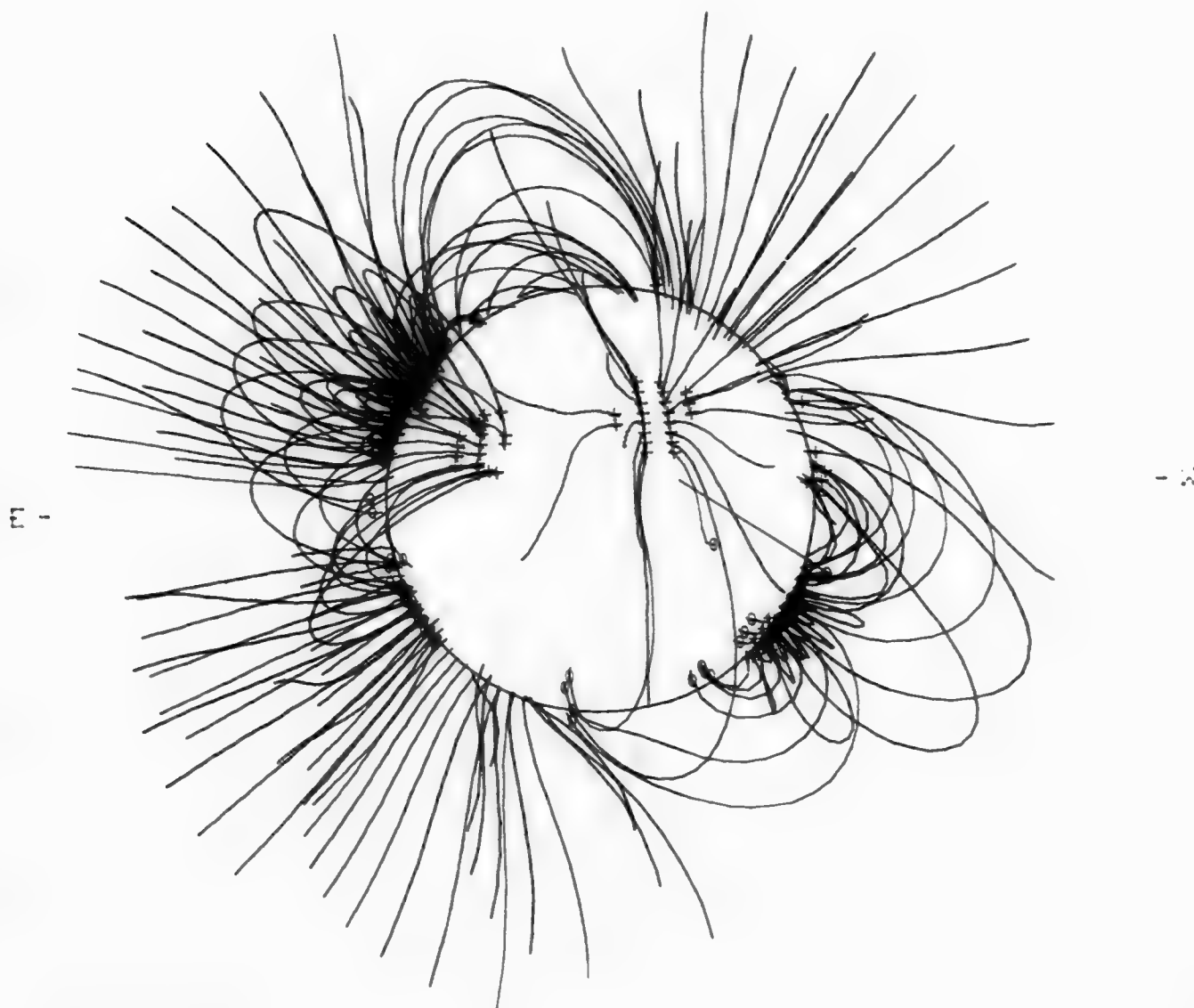


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1525.00

S

ROT. 1525 LONG. 170°
 15.7 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

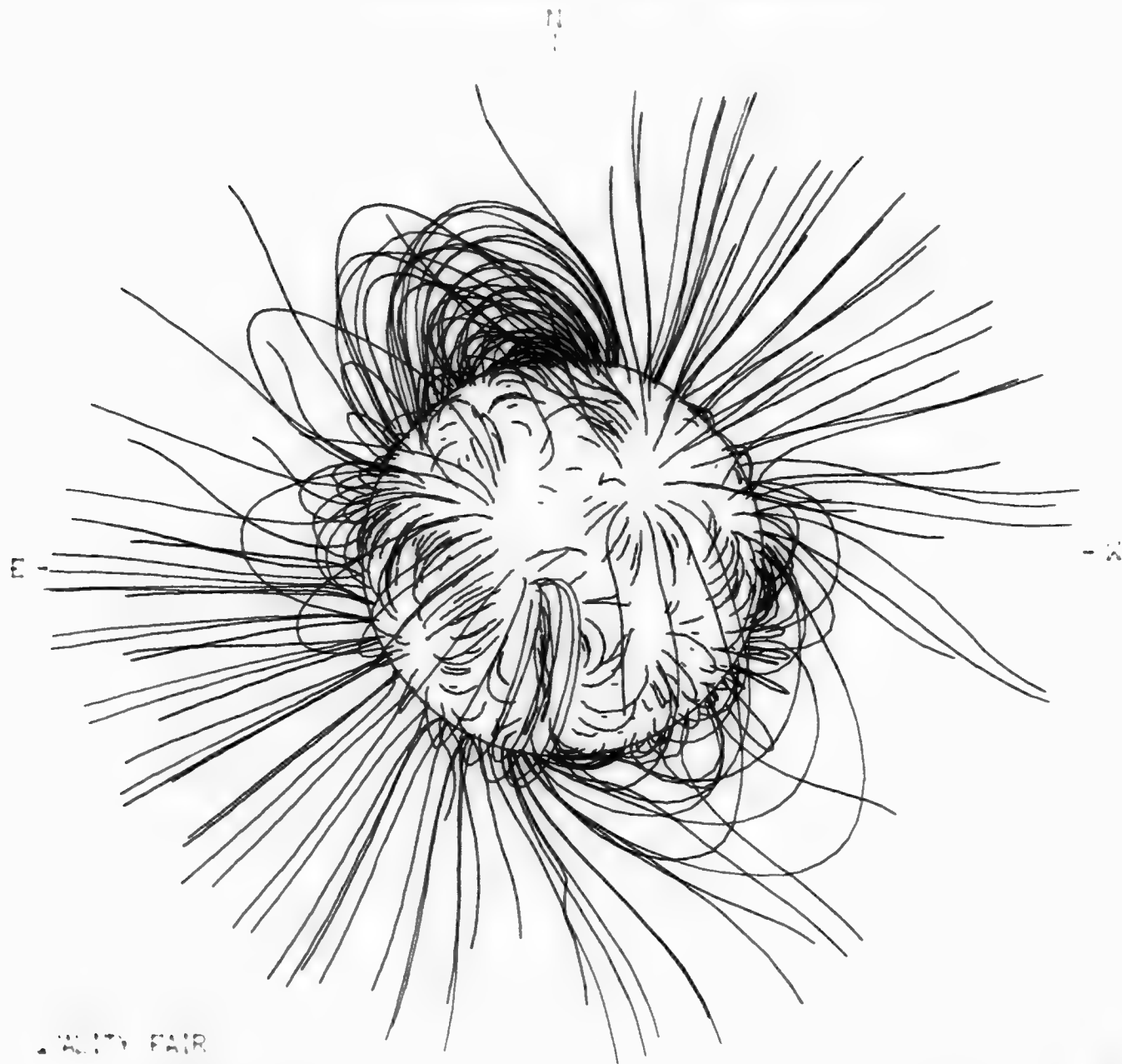


QUALITY FAIR
POLES DIRECT
DATA AND IN 15.5.00

S

ROT. 1525 2013. 177°
15.7 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

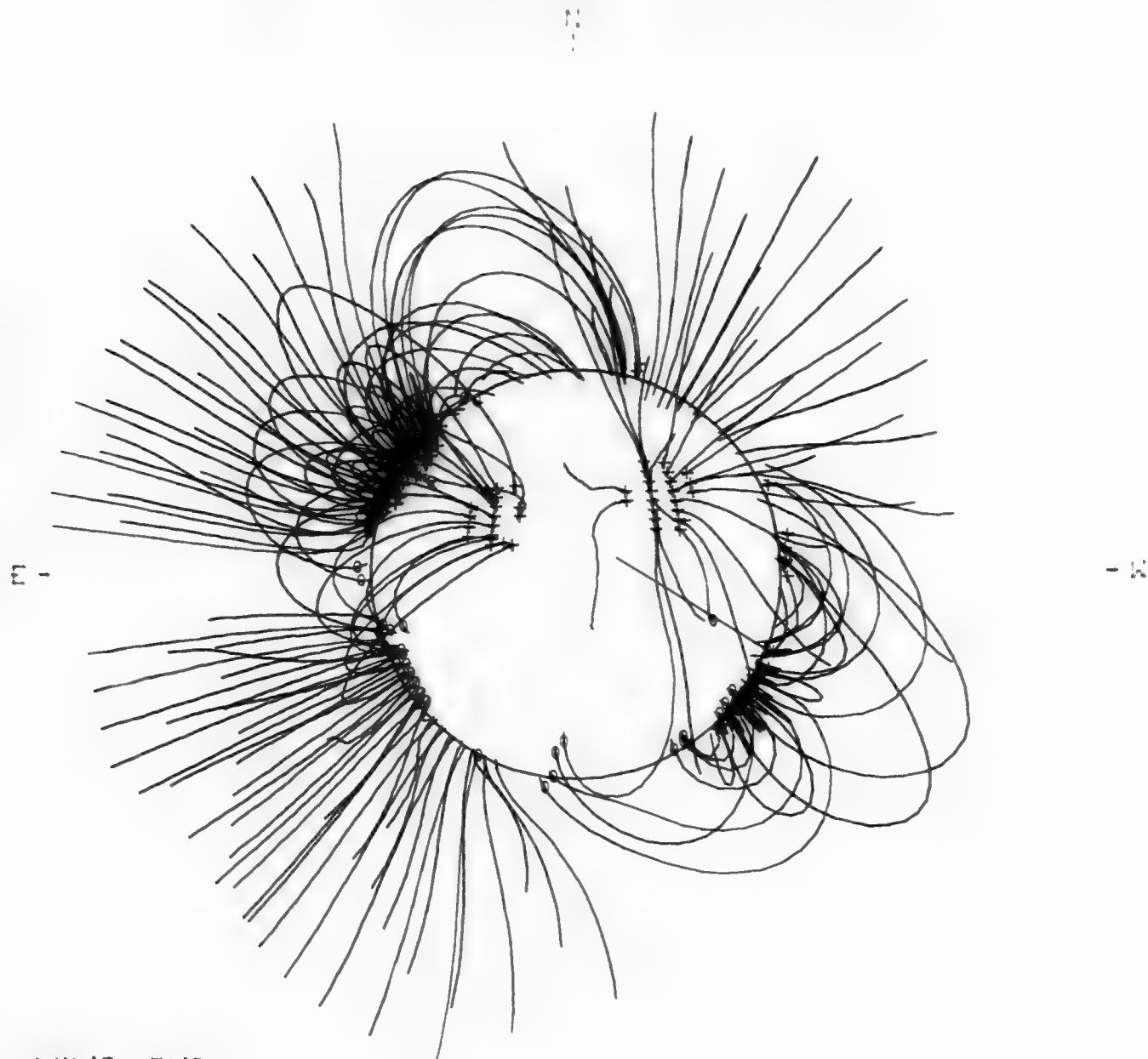
DATA WIND IN 1525.00

S

ROT. 1525 LONG. 160°

16.4 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

DATA WINDOW 1525.00

1
S

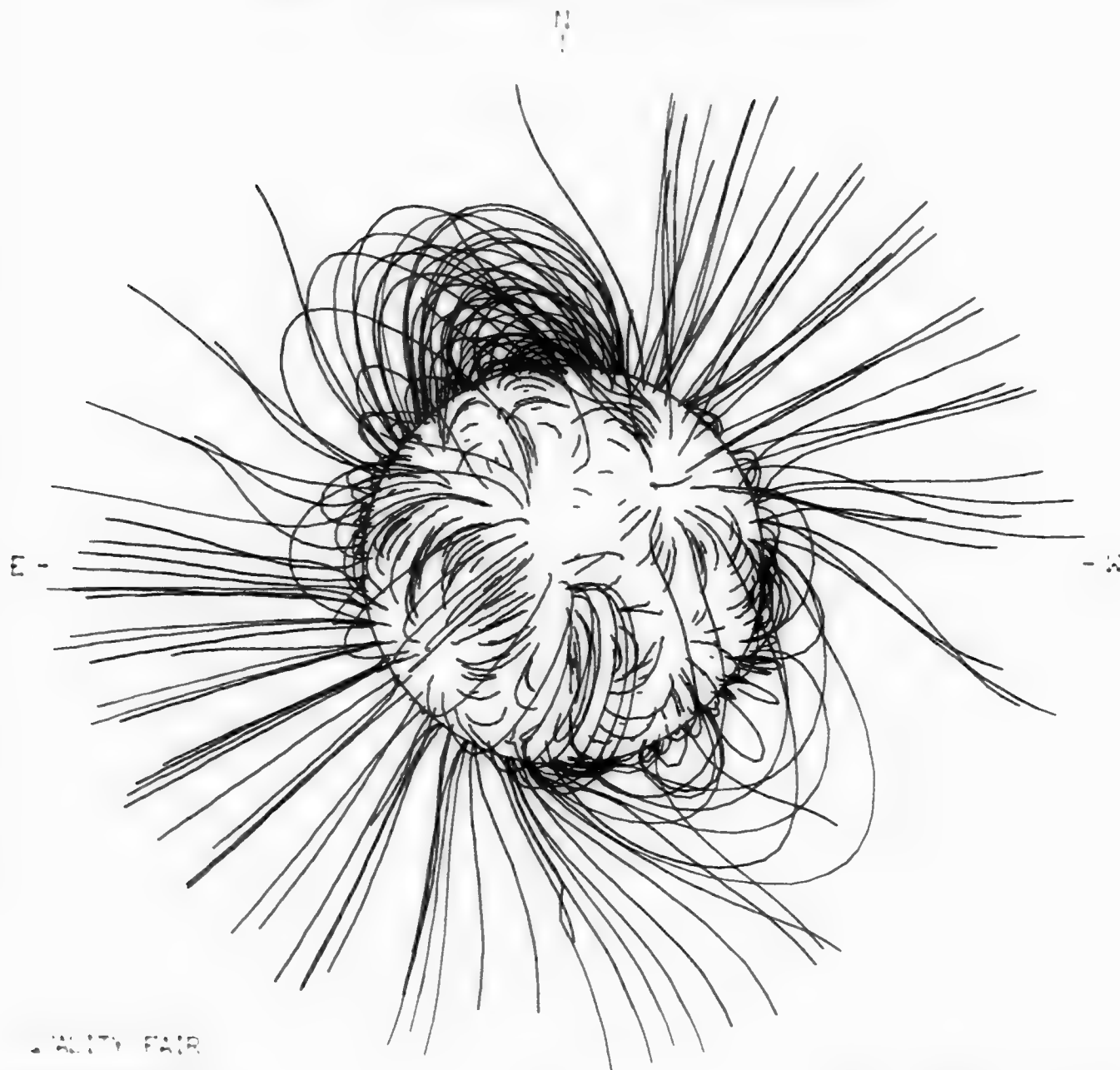
RCT. 1525

LONG. 160°

16.4 SEP

1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

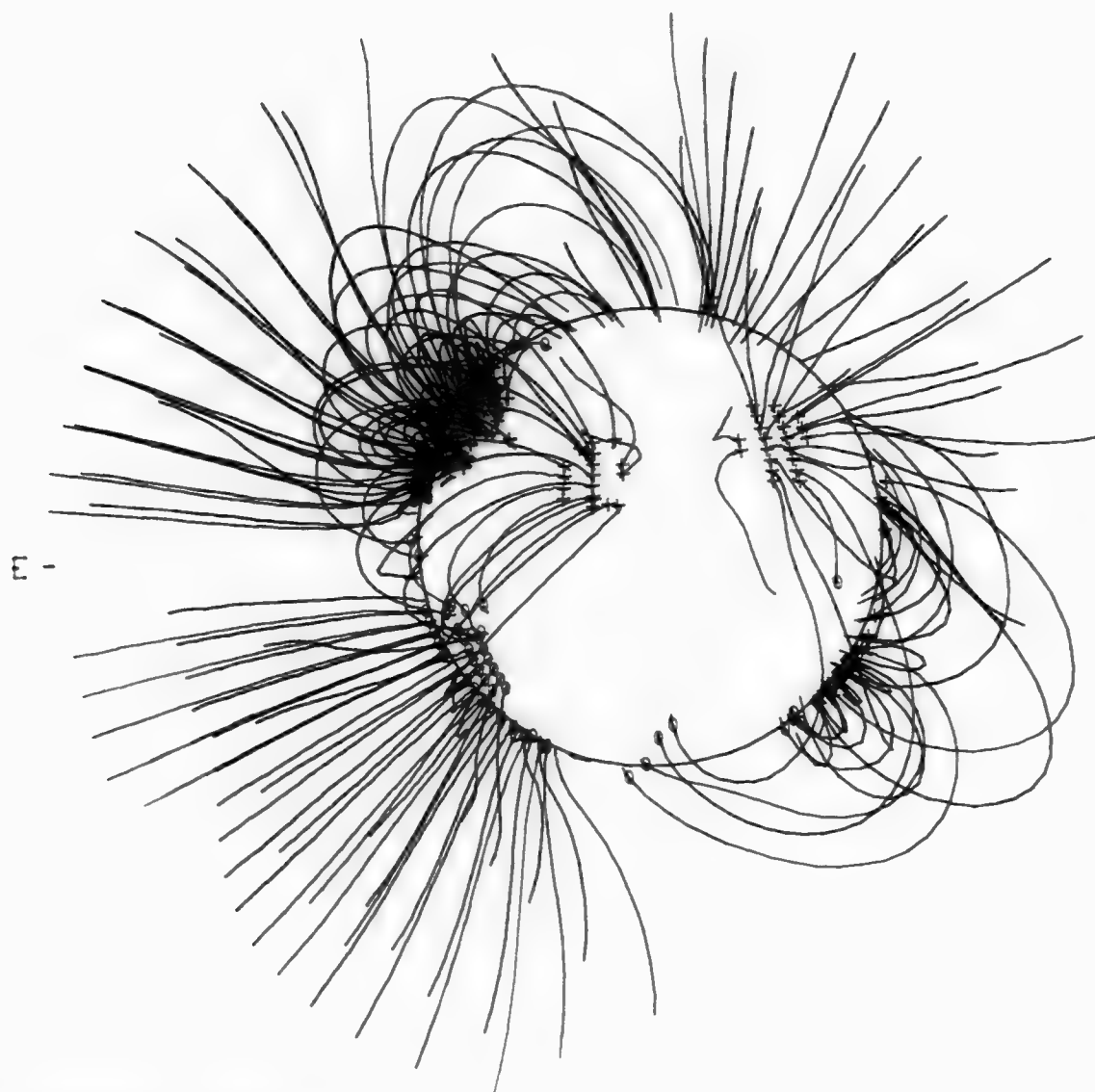


QUALITY FAIR
 PAGES DIRECT
 DATA APPROX 1525.00

S

R.T. 1525 LING. 151
 17.2 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

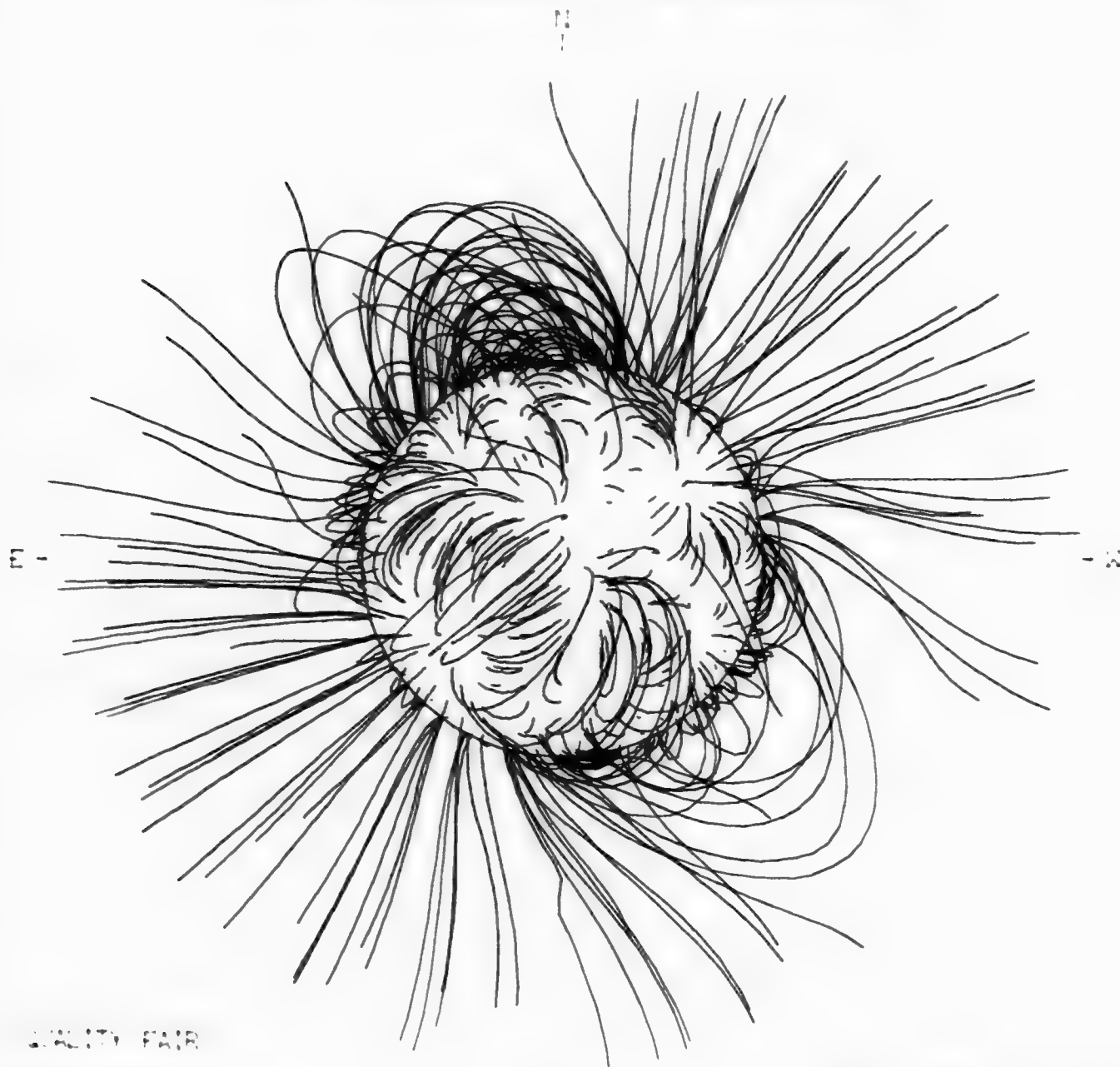


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

S

ROT. 1525 LONG. 151°
17.2 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

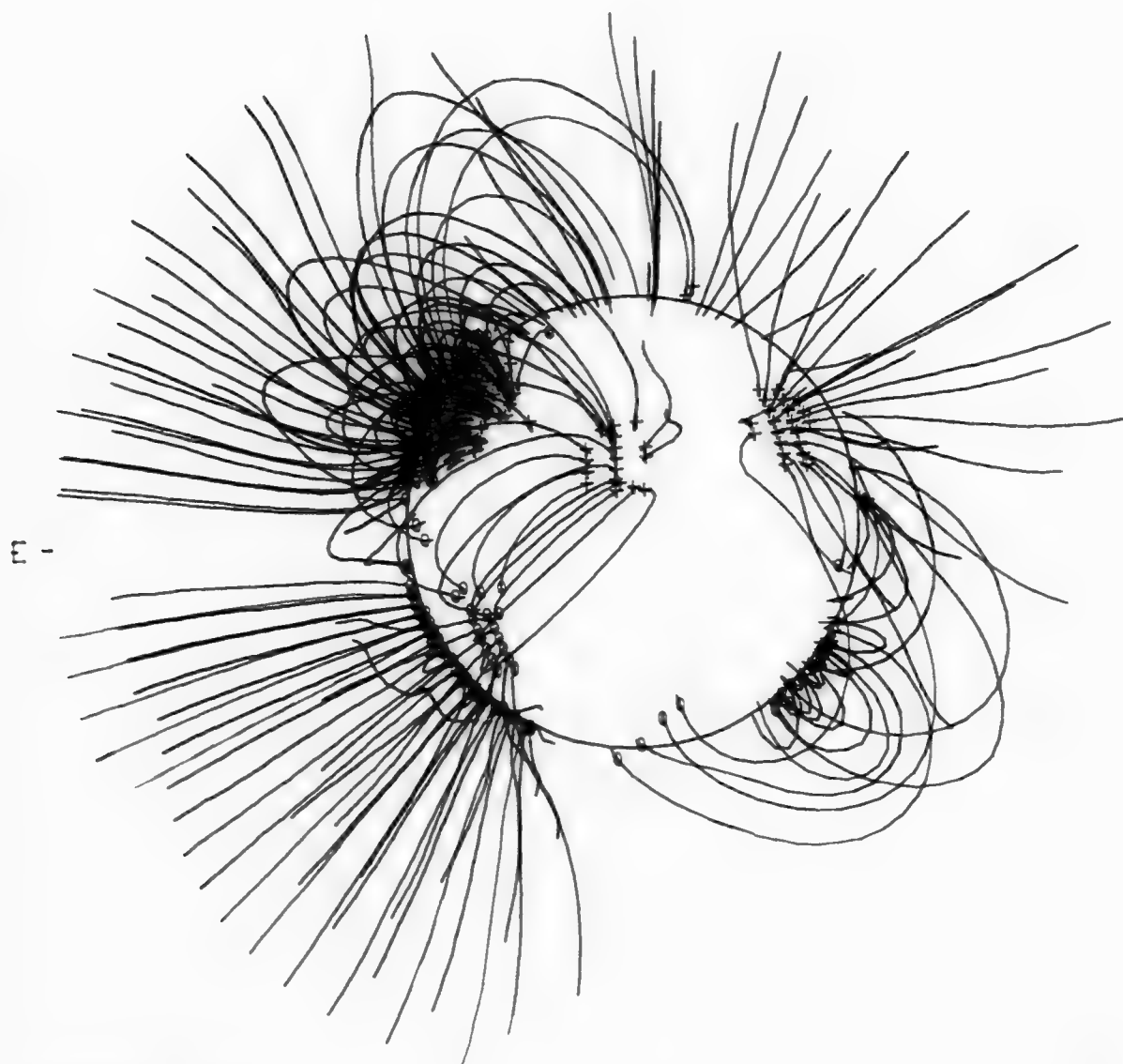
DATA WIND ON 1525.00

1
S

ROT. 1525 LONG. 141°

17.5 SEP 1967

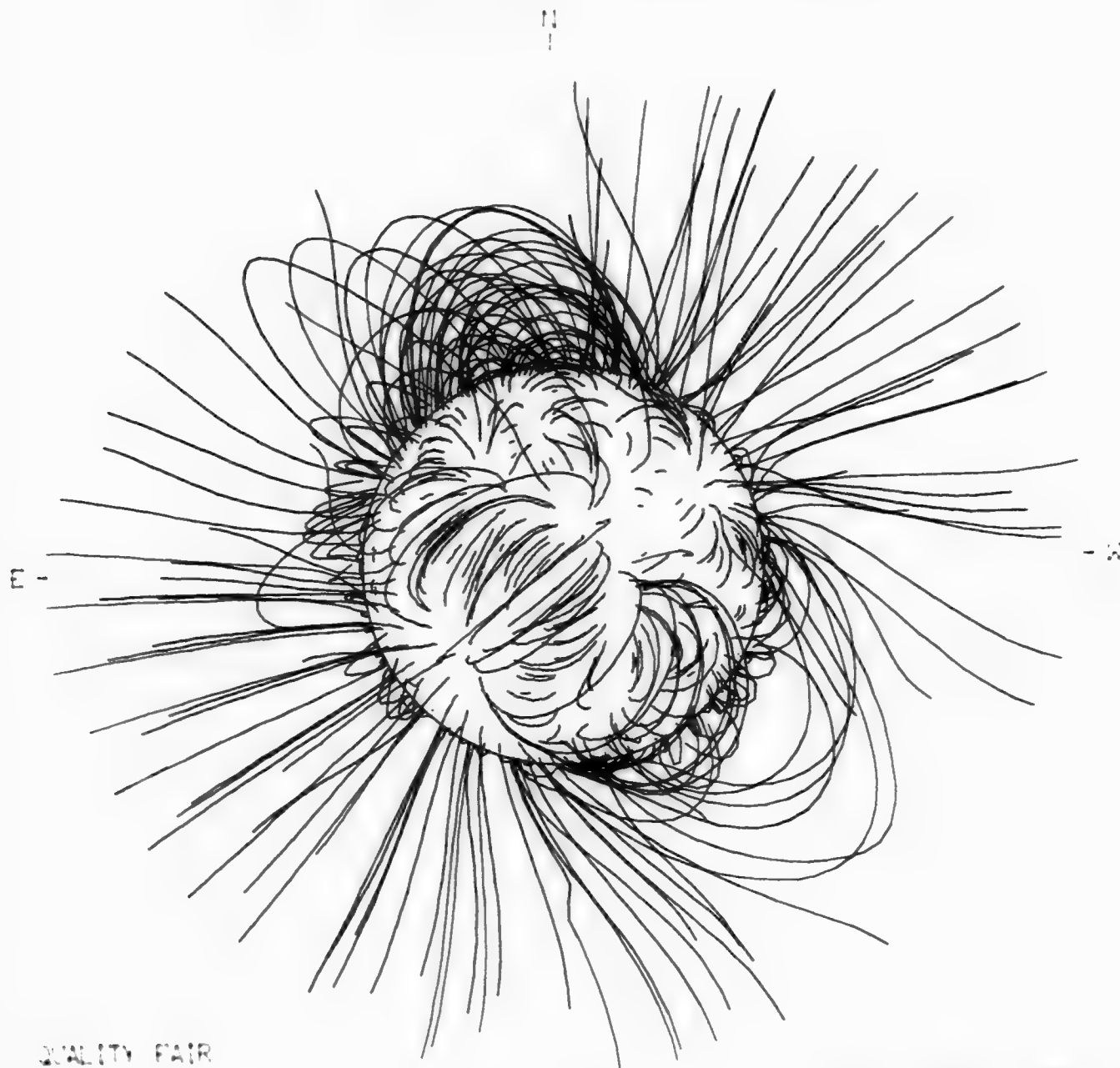
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA WINDOW 1525.00

RGT. 1525 LUG. 140°
 17.9 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WIND ON 1525.00

S

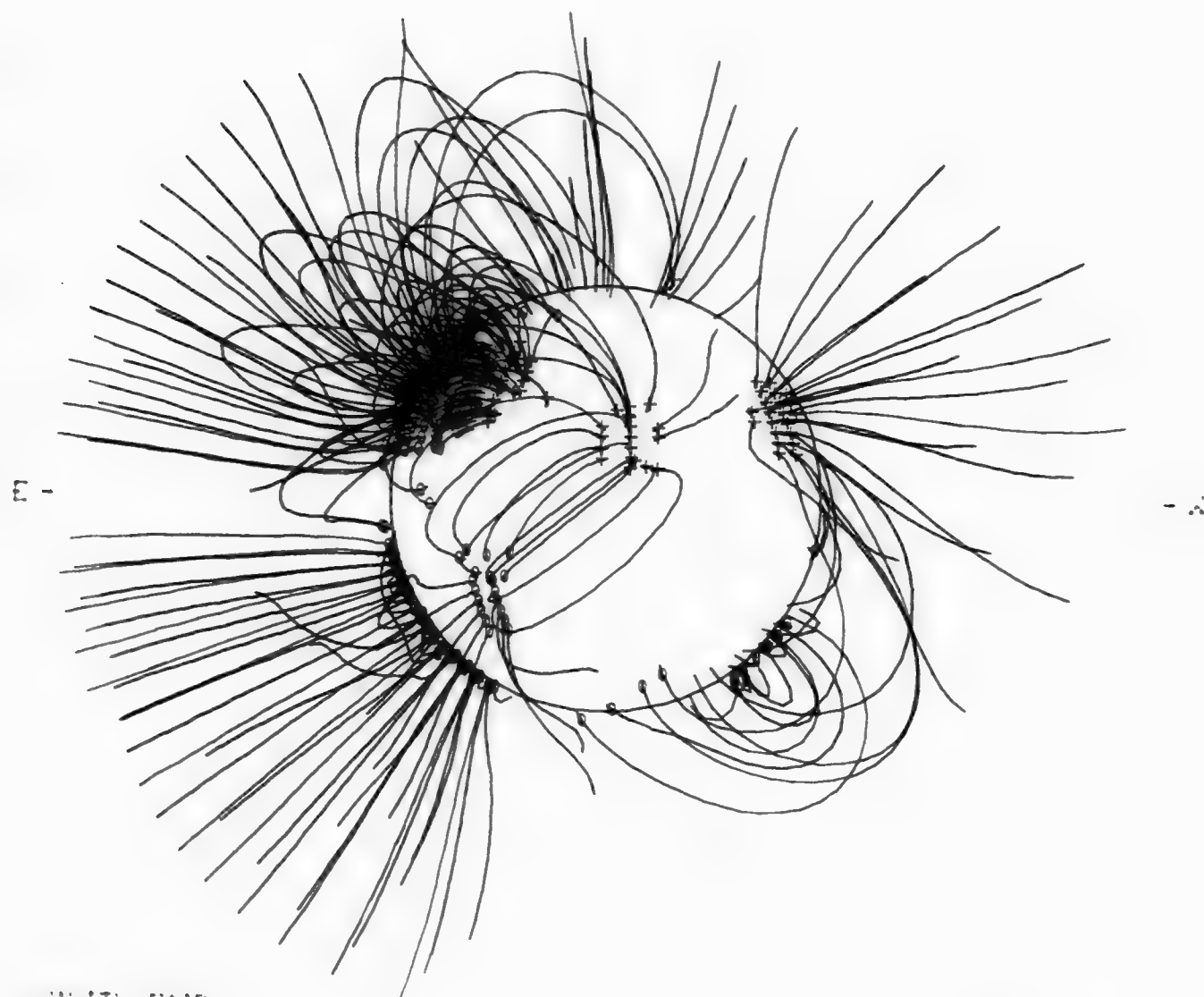
RUT. 1525

LONG. 130°

18.7 SEP

1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

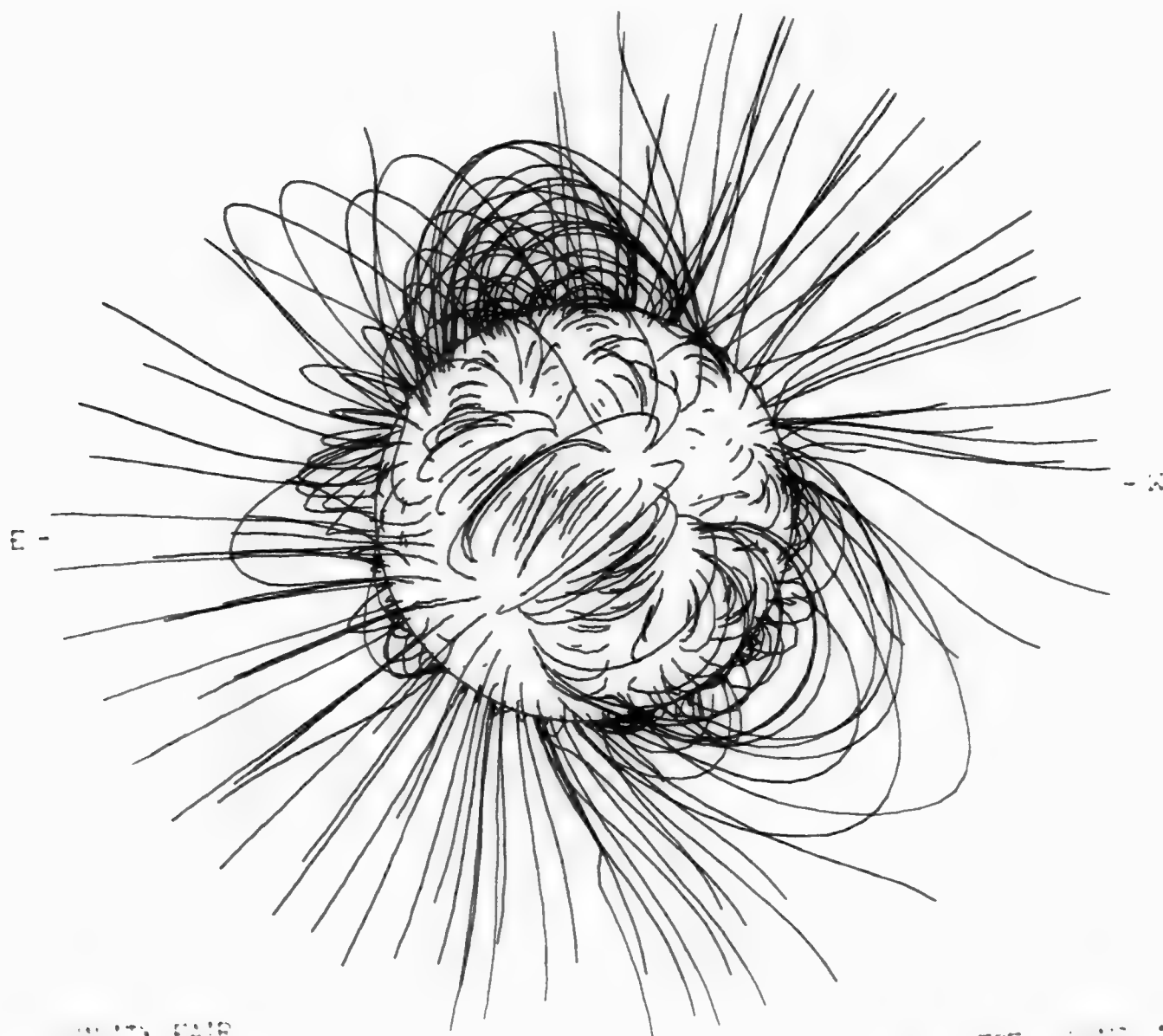
DATA WIND ON 1505.00

1
S

RUT. 1525 LONG. 130°

18.7 SEP 1967

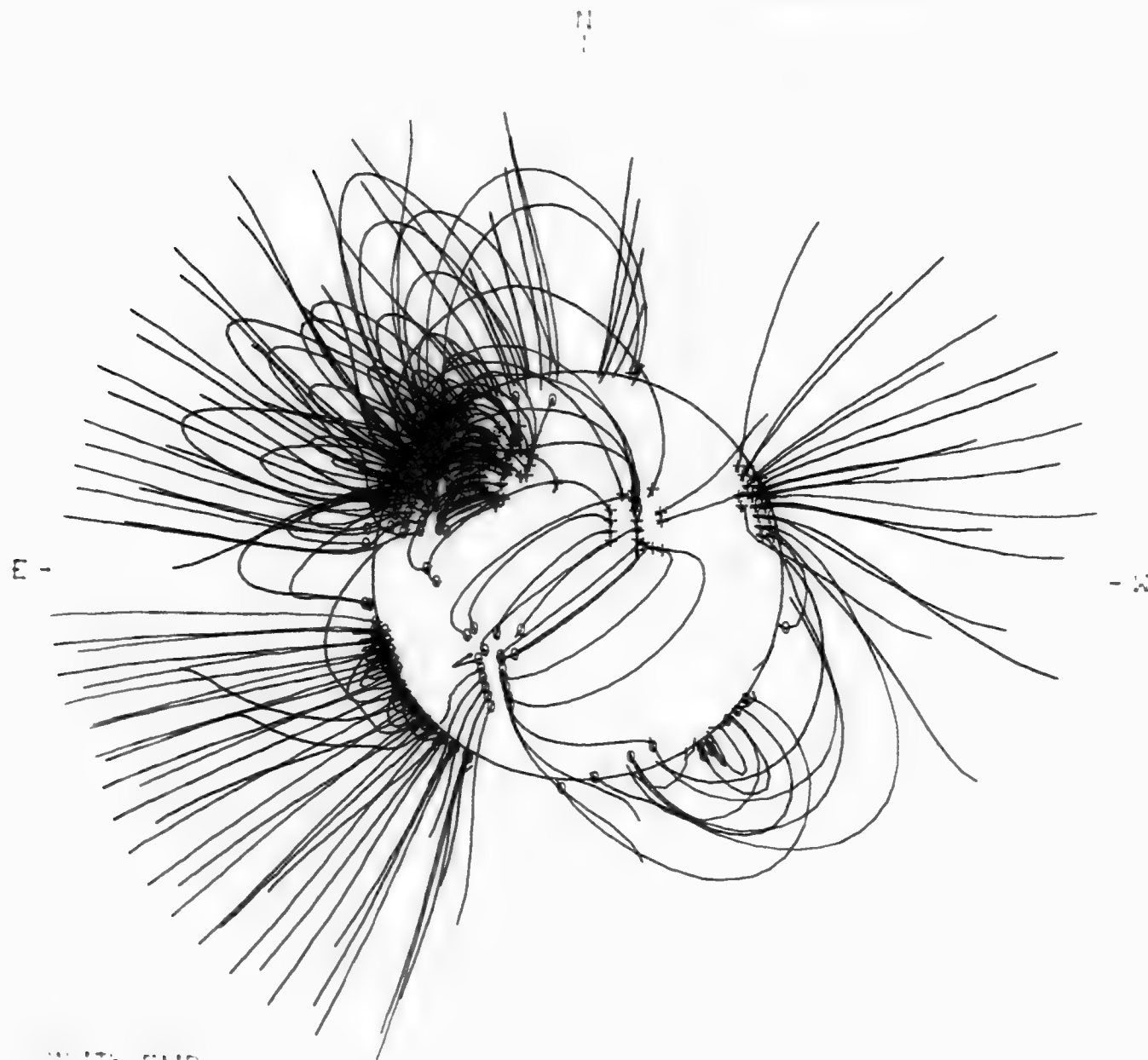
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES CURRENT
 DATA WINDOW 1525.00

REL. 1525 1013. 101
 19.5 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

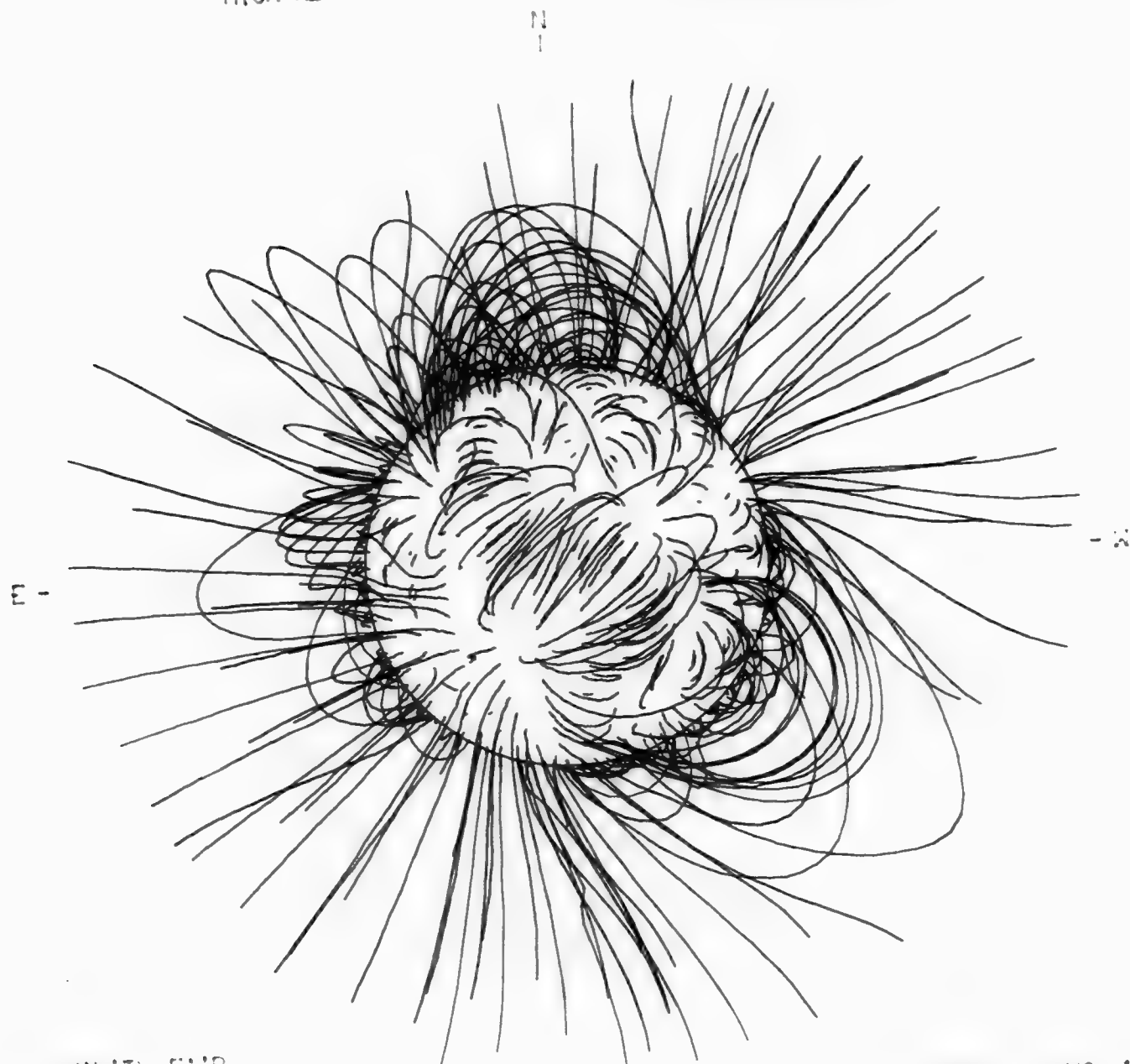
DATA WIND ON 1525.00

S

ROT. 1525 LONG. 120°

19.5 SEP 1967

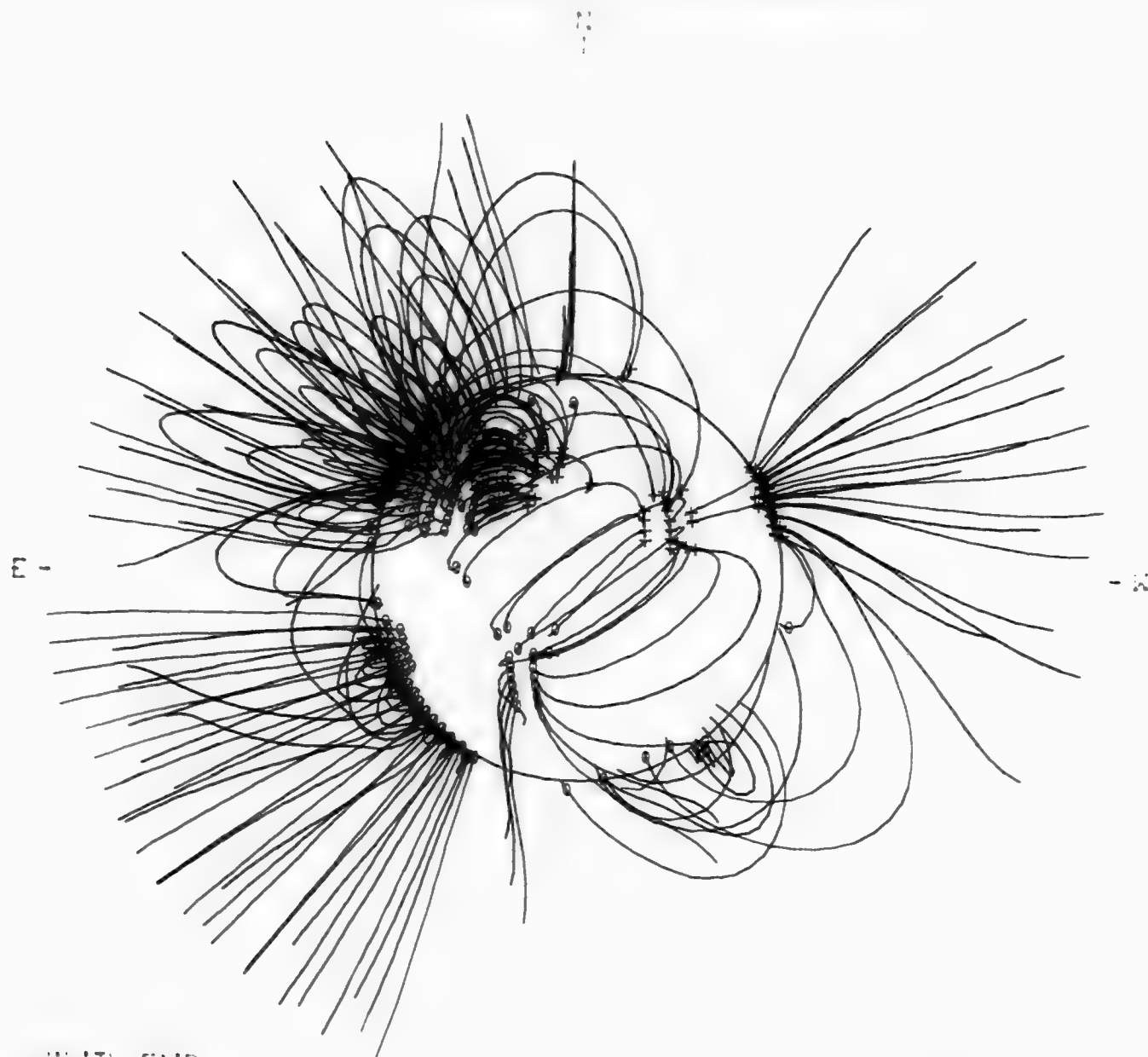
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

ROT. 1525 LONG. 111°
20.2 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

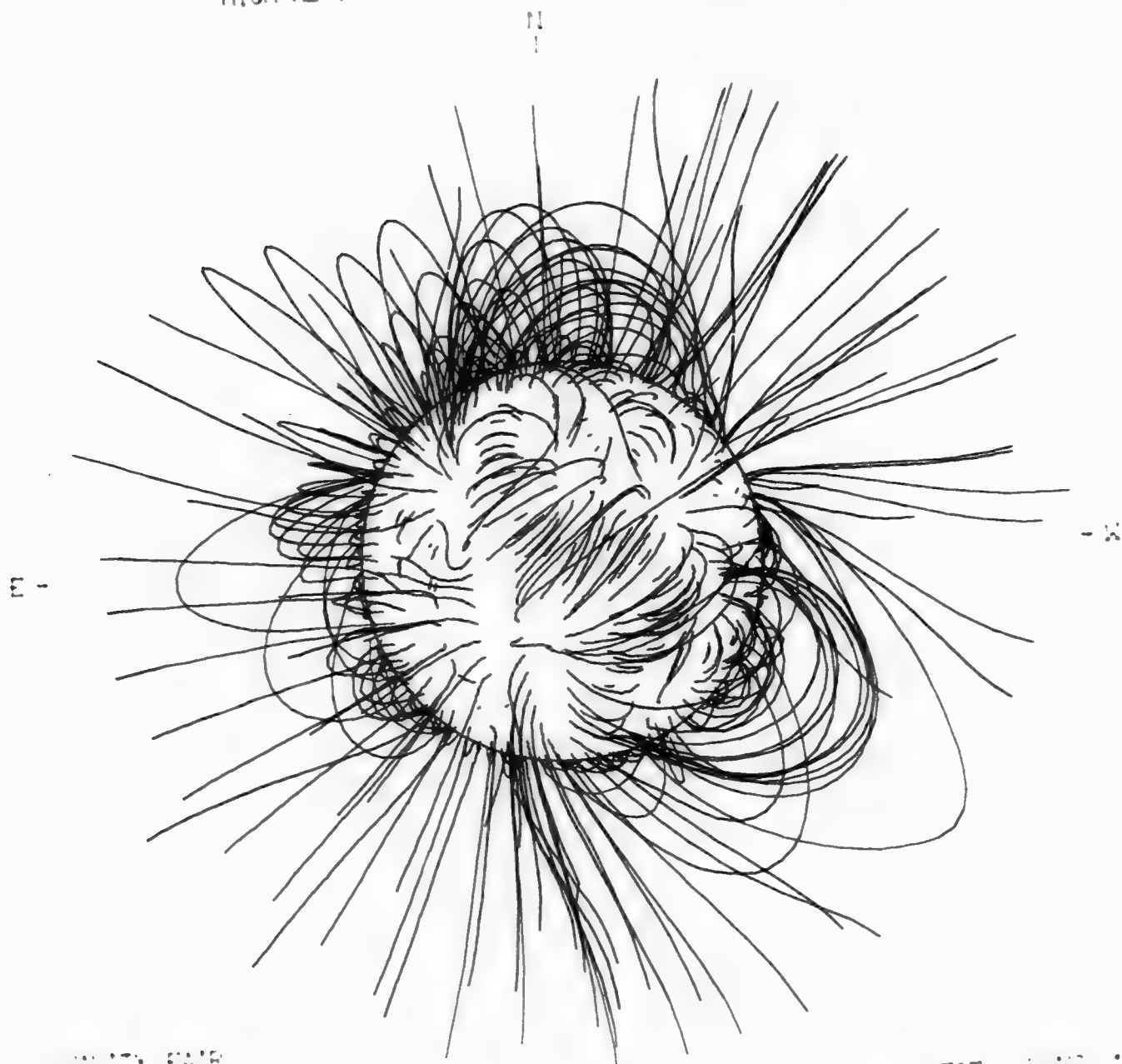
DATA WINDON 1505.00

S

RUT. 1525 2015. 111°

20.2 SEP 1967

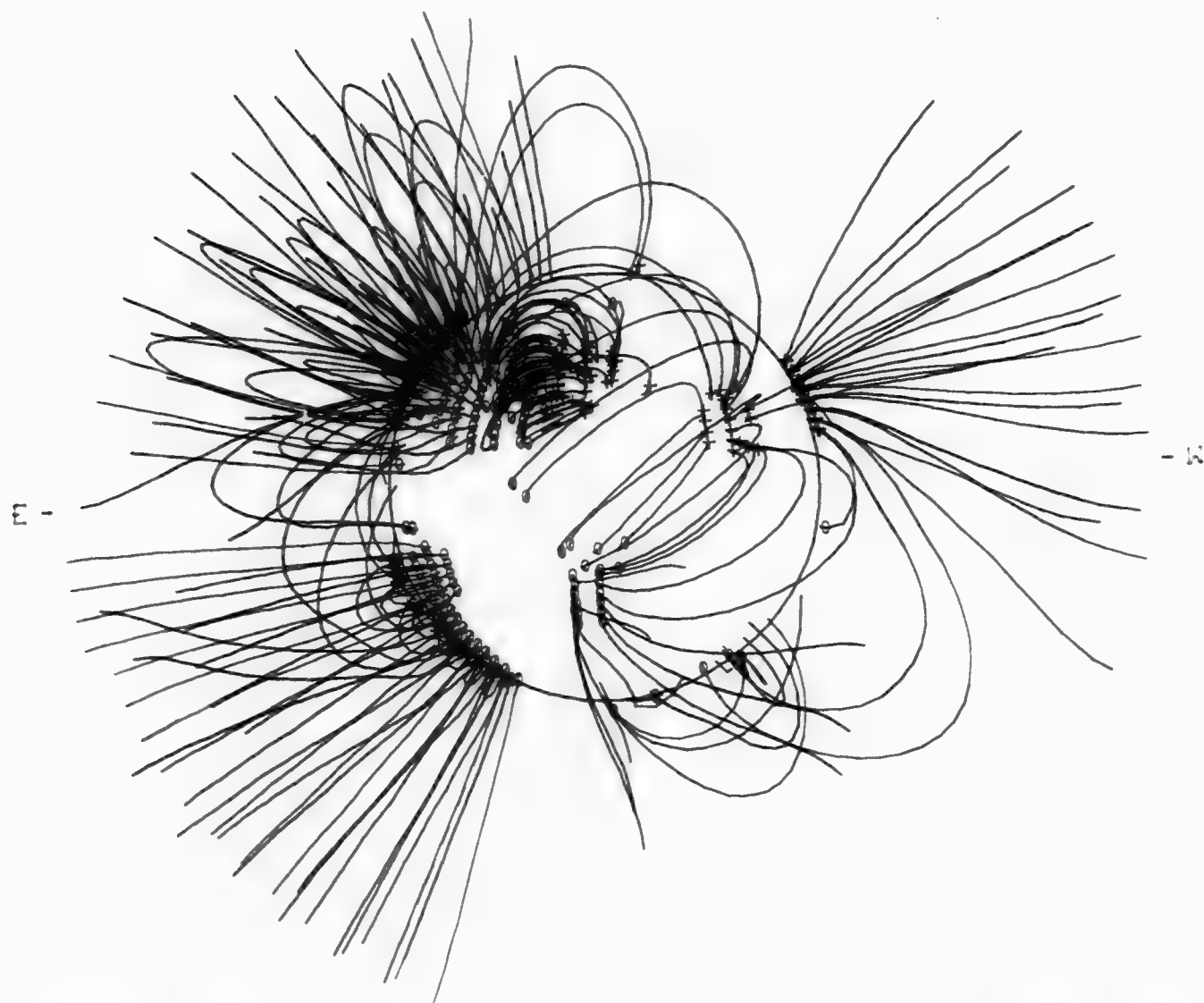
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PAGES DIRECT
 DATA AREA 1505.00

RUT. 525 2013. 111
 21.0 SEP 1967

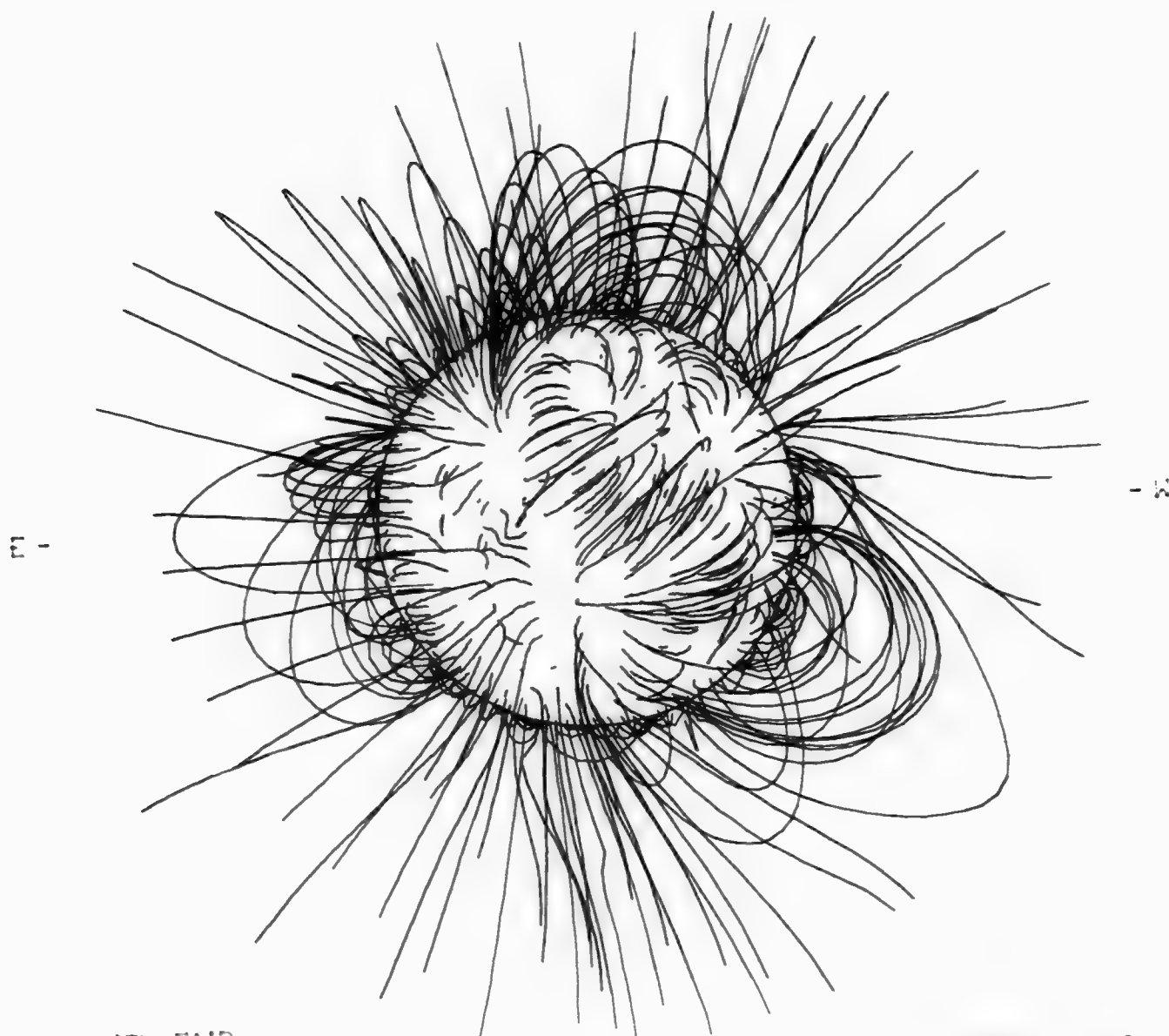
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



2.000000 FAIR
 0.000000 DIRECT
 0.000000 DATA AND LA 1525.00

R.T. 1525 0.000000
 21.0 SEP 1967

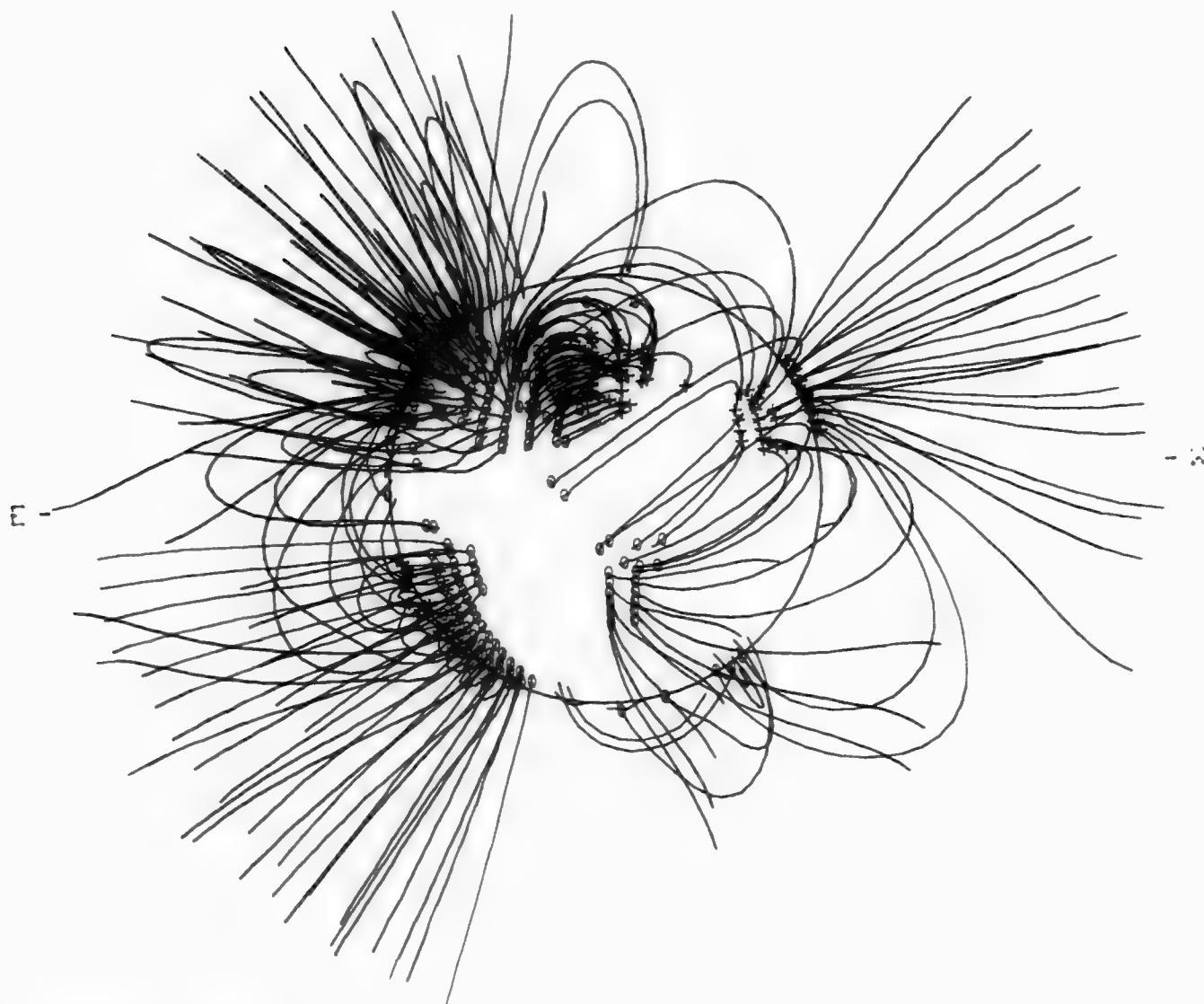
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.00

ROT. 1525 LONG. 90°
21.7 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

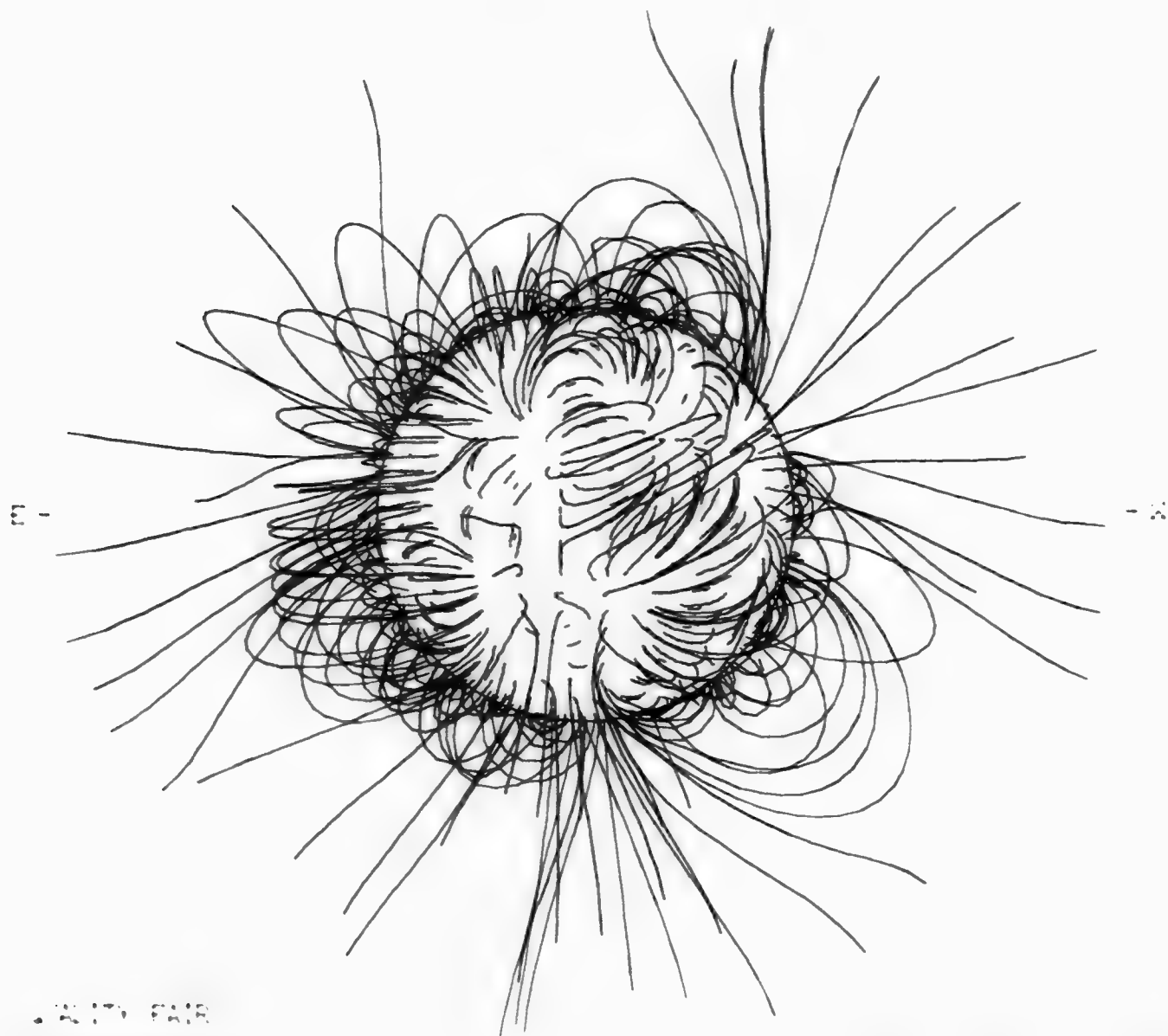


QUALITY FAIR
FILES DIRECT
DATA WINDOW 1525.00

S

ROT. 1525 LONG. 15°
21.7 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



J. R. 179 FAIR

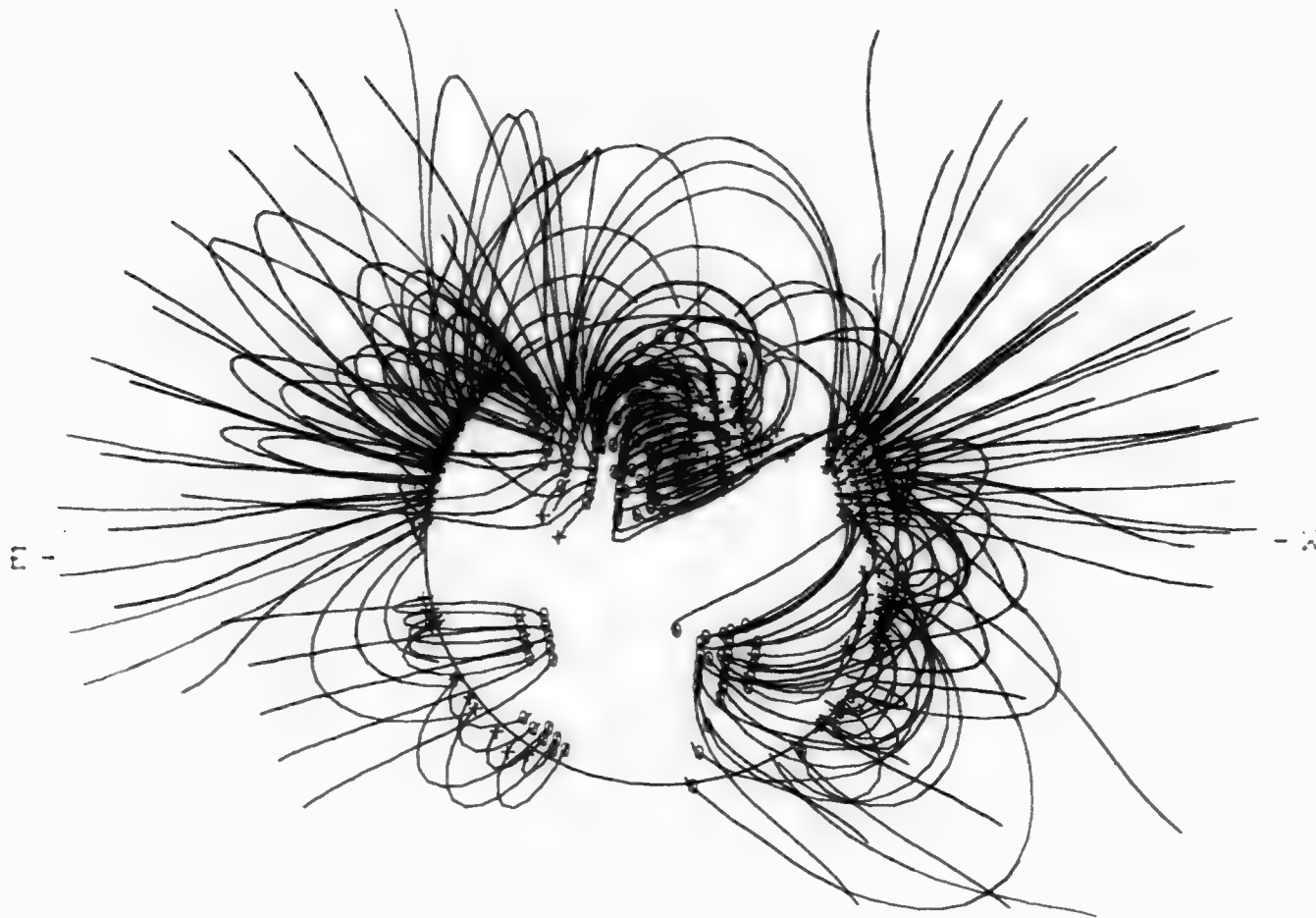
PALEO DIRECT

DATA WINDOW 1525.47

207. 1525 1110. 40°

22.5 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

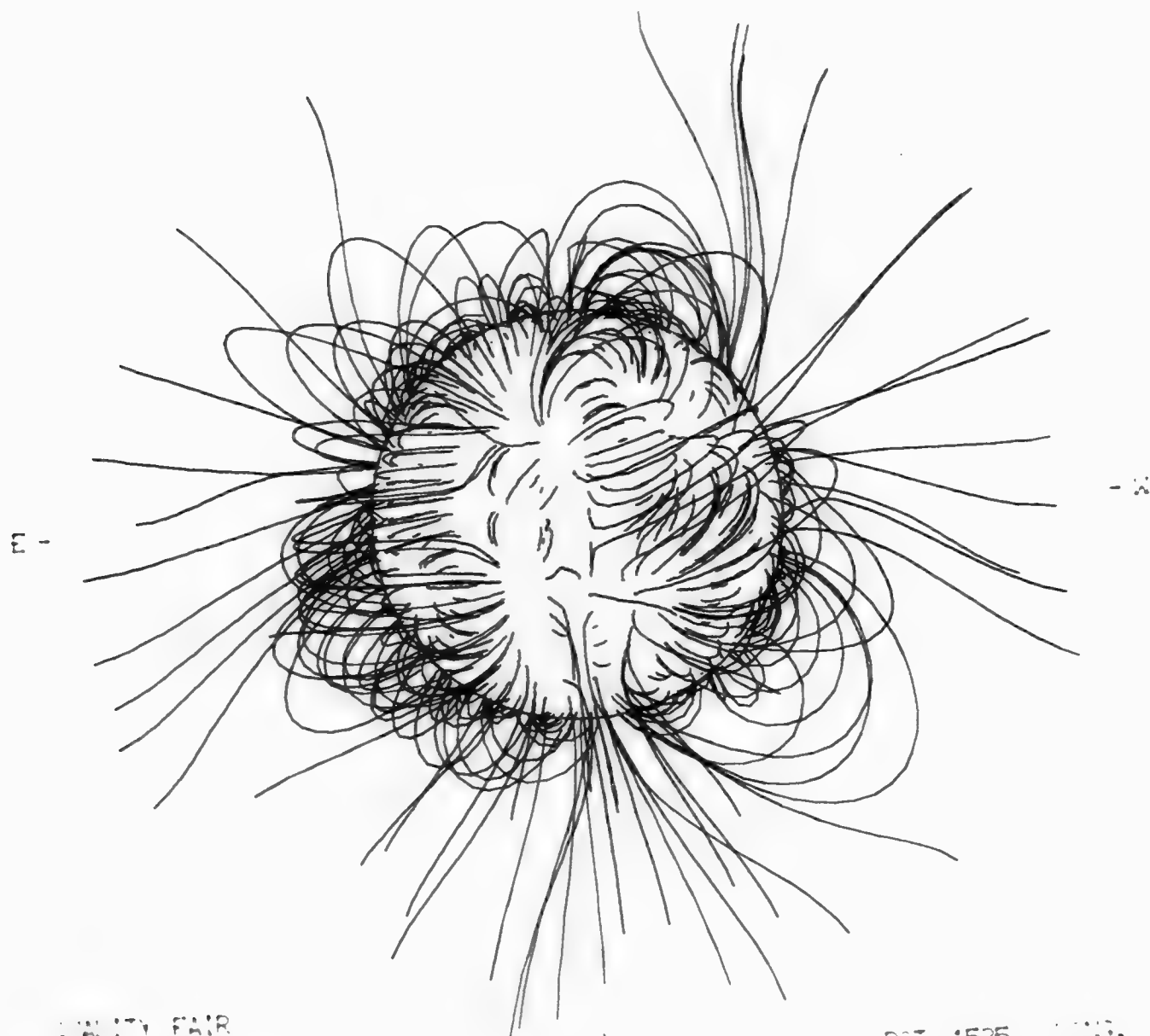
DATA WINDOW 1525.47

S

RJT. 1525 1013. 61°

22.5 SEP 1967

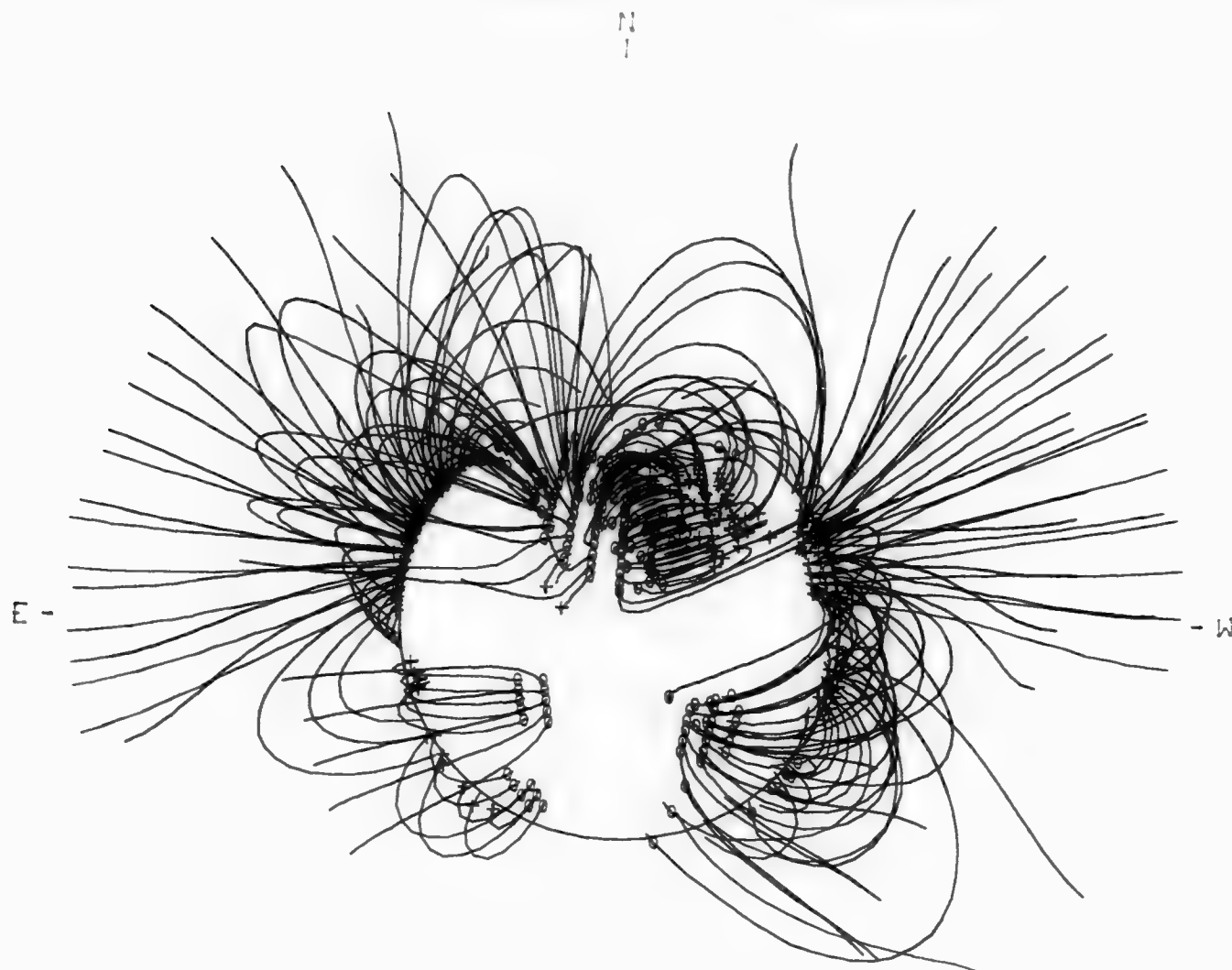
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA NUMBER 1525.47

ROT. 1525 LONG. 77°
23.2 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

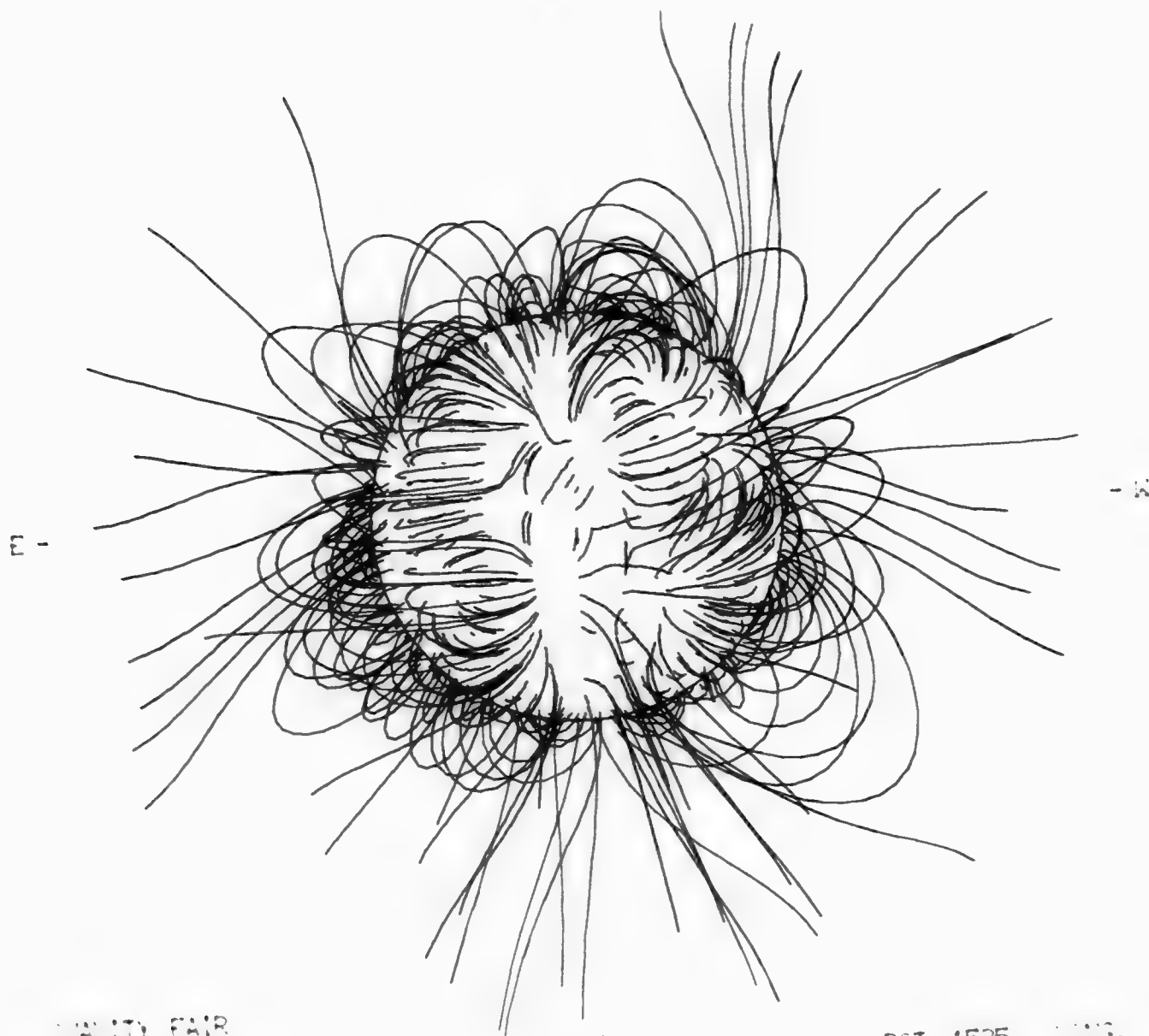
DATA WINDOW 1525.47

S

RCT. 1525 LONG. 70°

23.2 SEP 1967

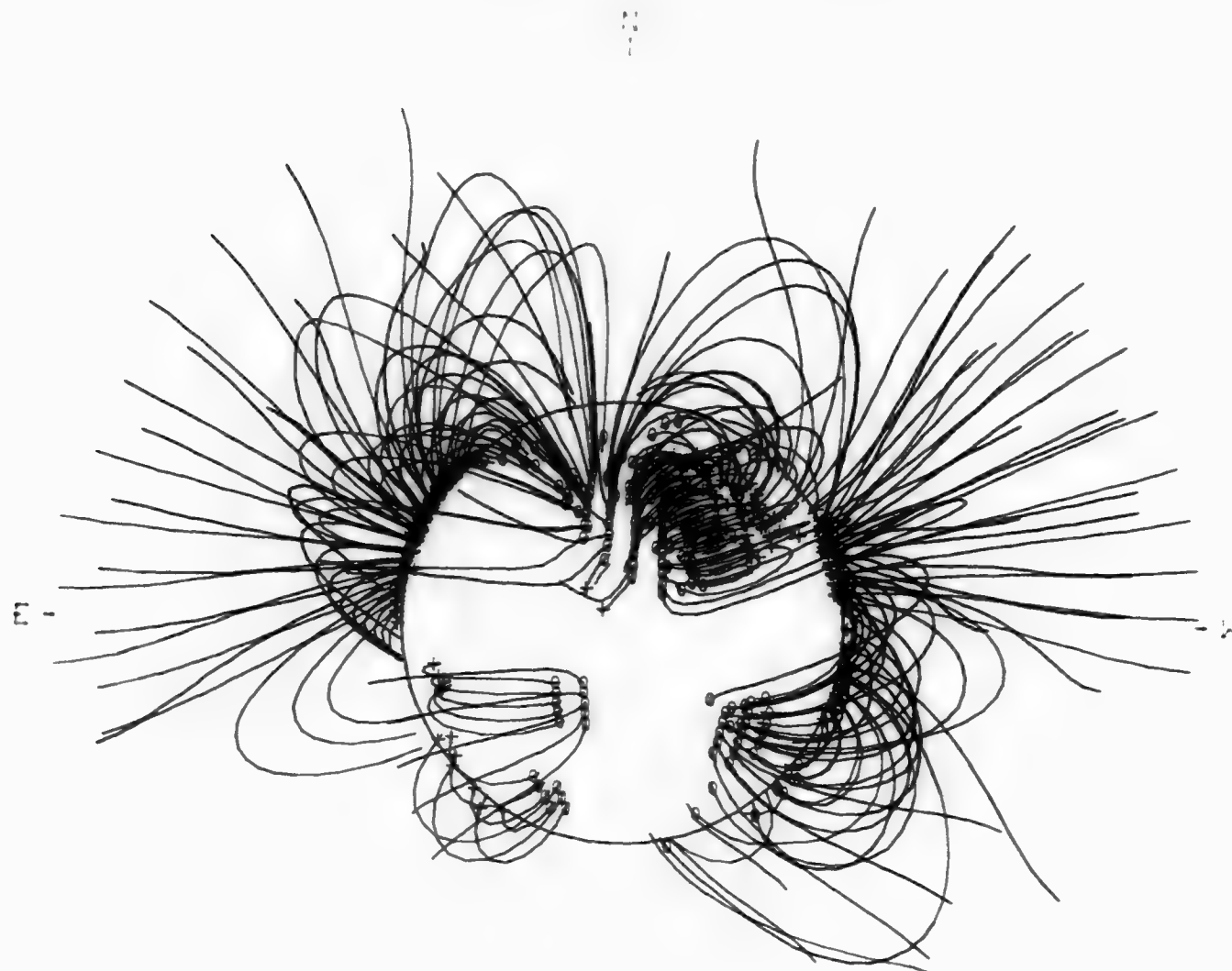
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

ROT. 1525 2013. 40°
24.0 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

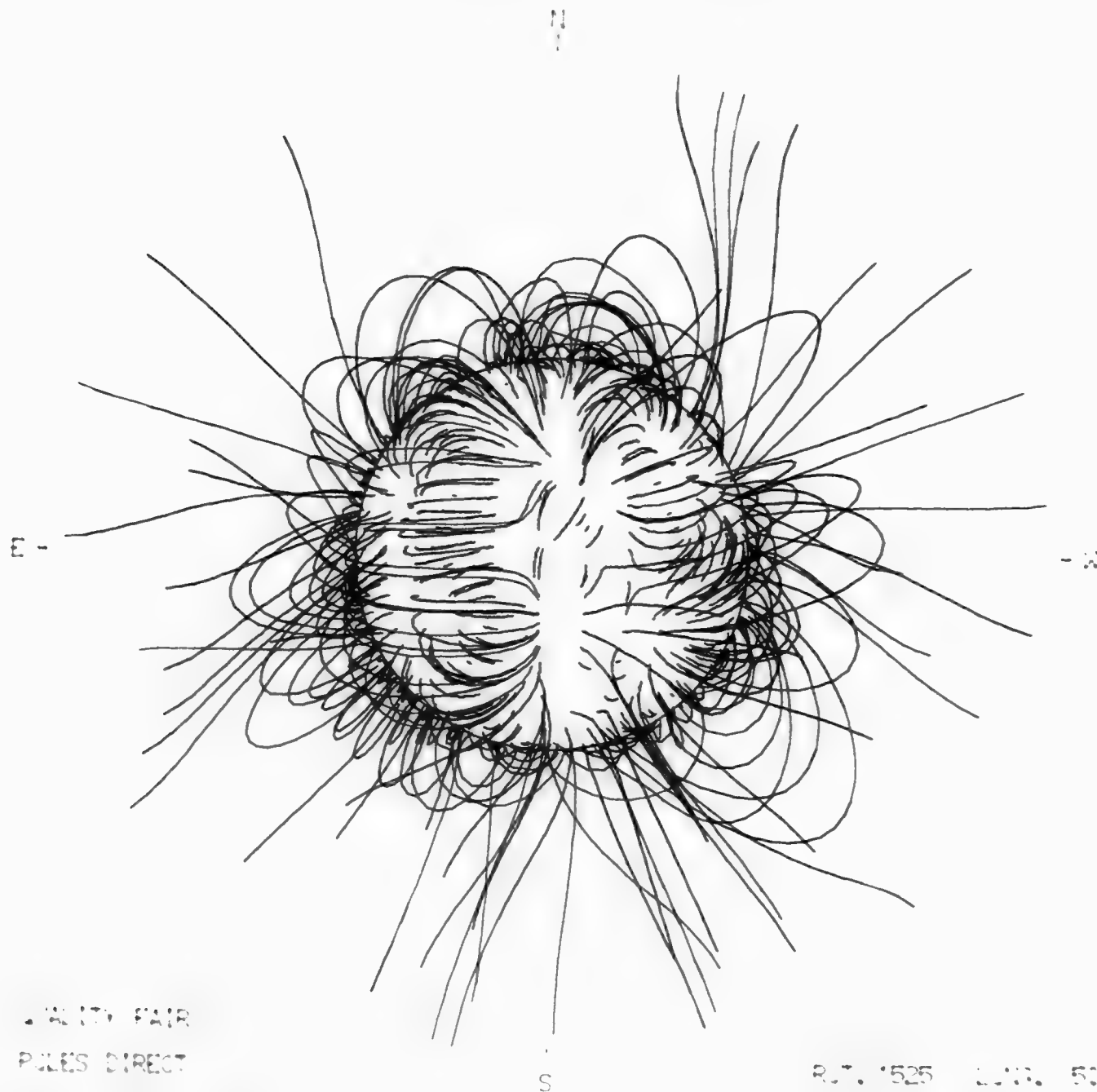
DATA WINDOW 15.5.47

S

ROT. 1525 LONG. 40°

24.0 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

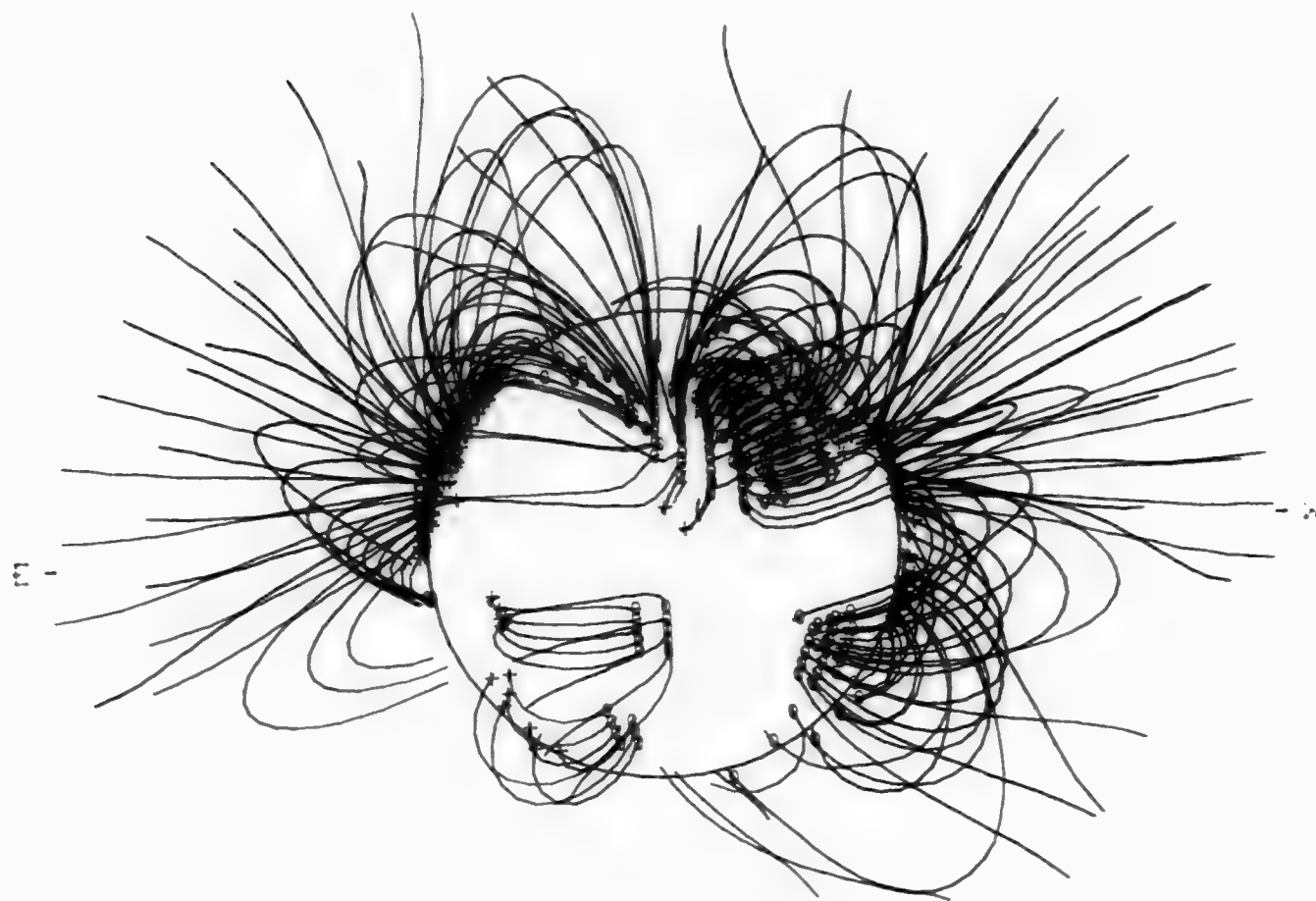
POLES DIRECT

DATA AVAILABLE '525.47

R.T. '525 L.T. 51°

24.8 SEP '67

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

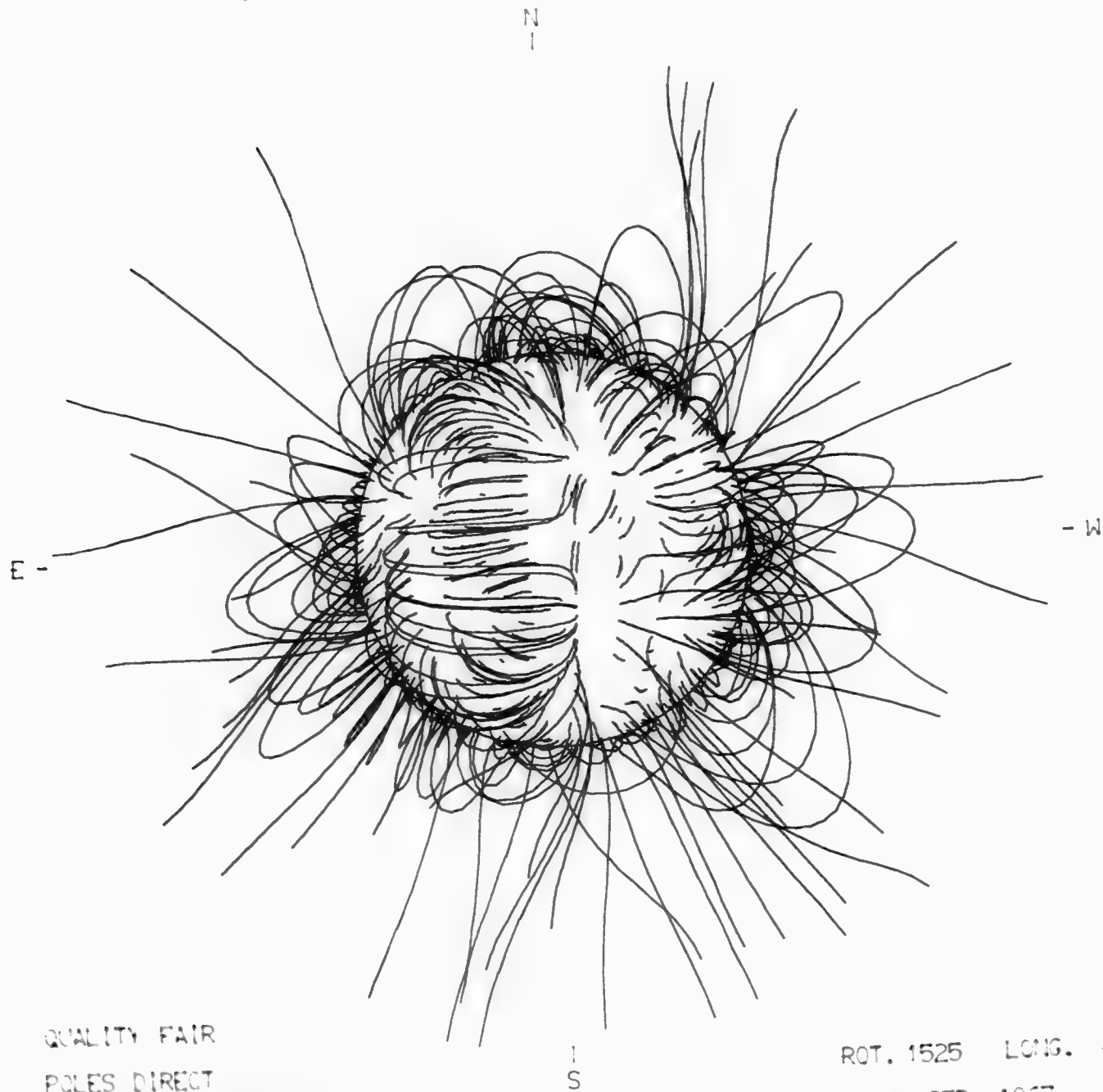


QUALITY FAIR
FILES DIRECT
DATA AND/OR "5.5.5"

S

RET. 1525 LING. 50°
24.8 SEP 1967

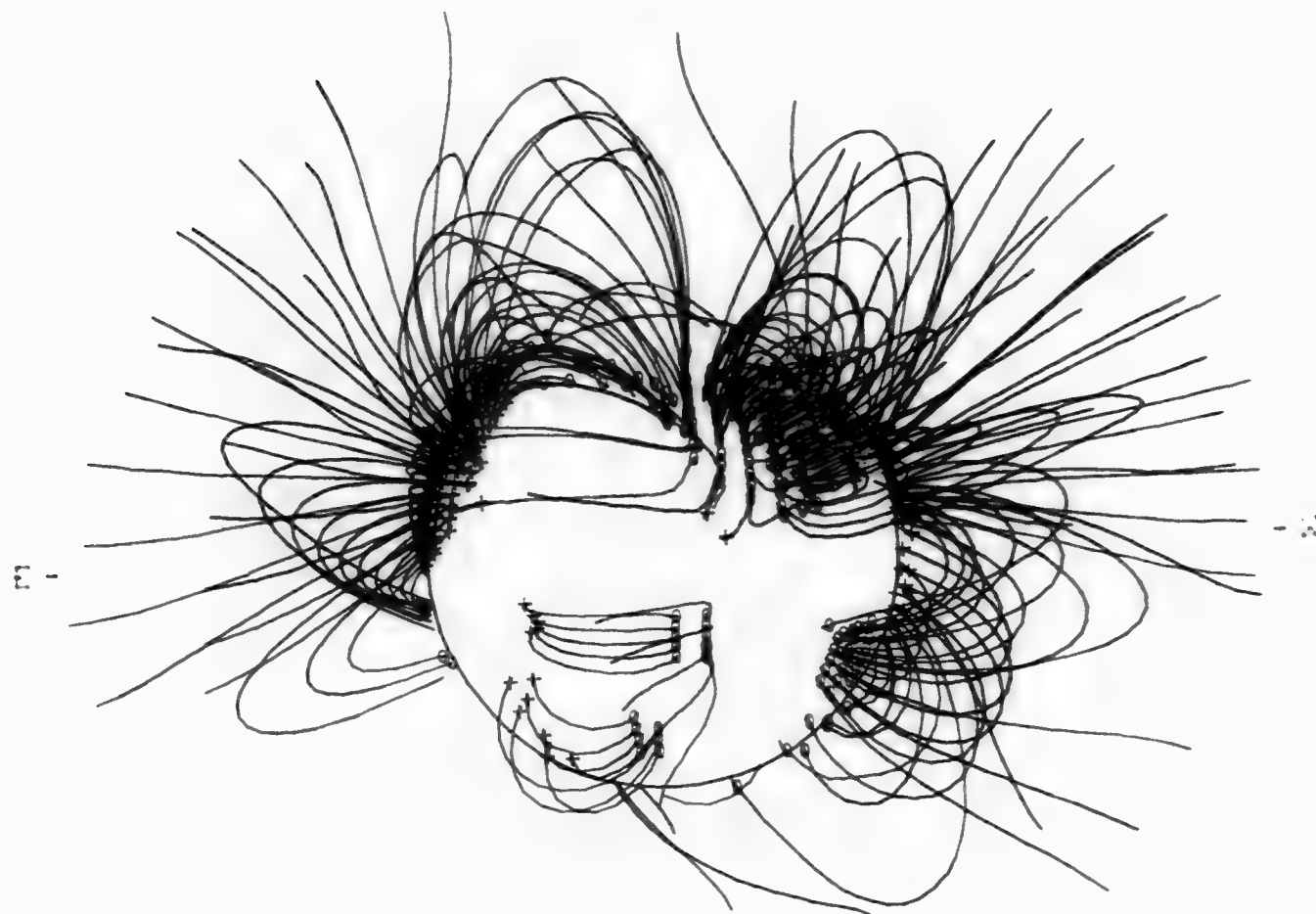
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

ROT. 1525 LONG. 40°
25.5 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

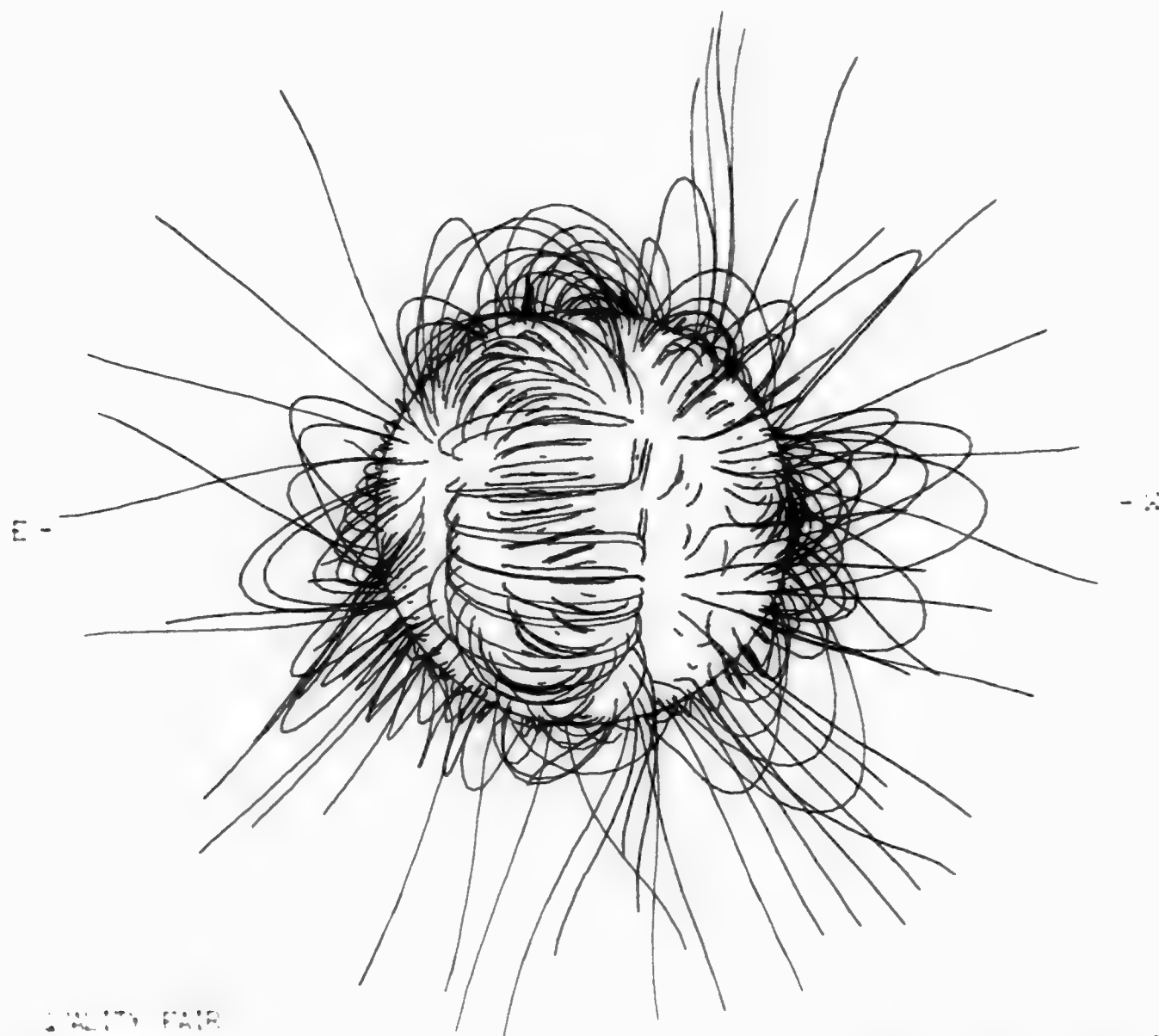
POLES DIRECT

DATA APRIL 1965.47

S

2.7. 1525 2.16. 41°
25.5 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

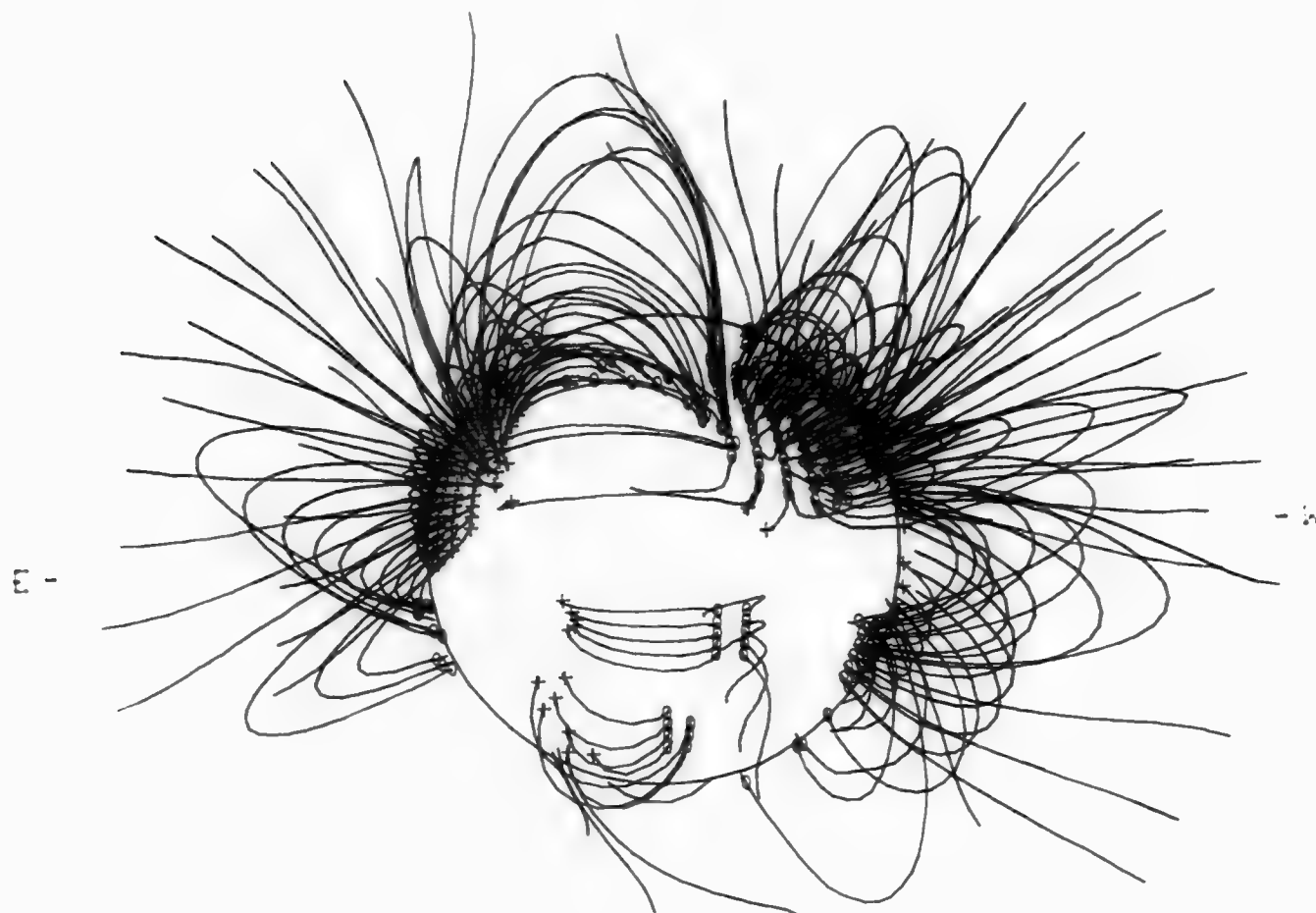


QUALITY FAIR
FILES DIRECT
DATA AND IN 15.15.47

S

R.T. 1525 LONG. 31°
26.3 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

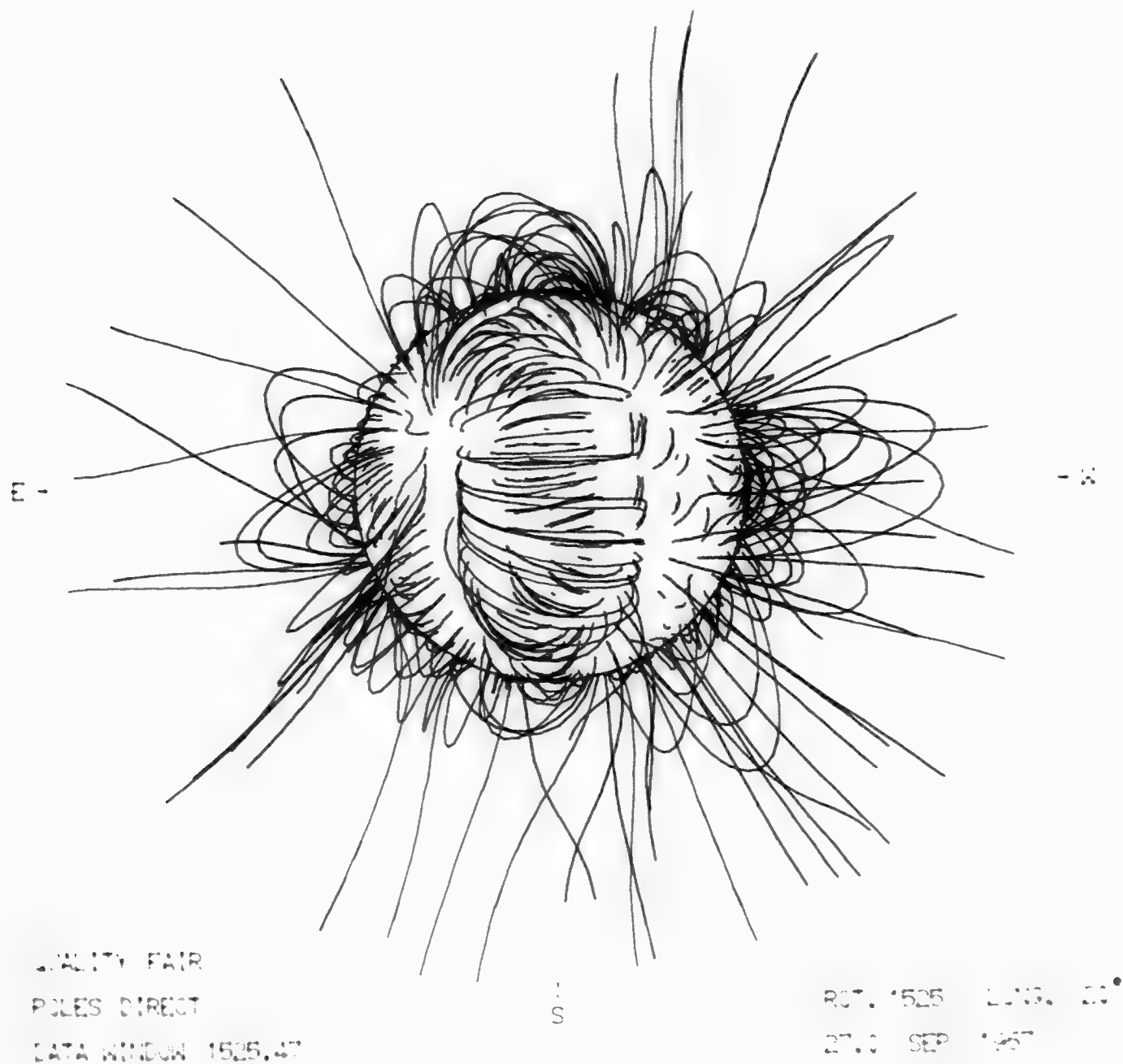


QUALITY FAIR
 PLEAS DIRECT
 DATA WINDOW 1525.47

S

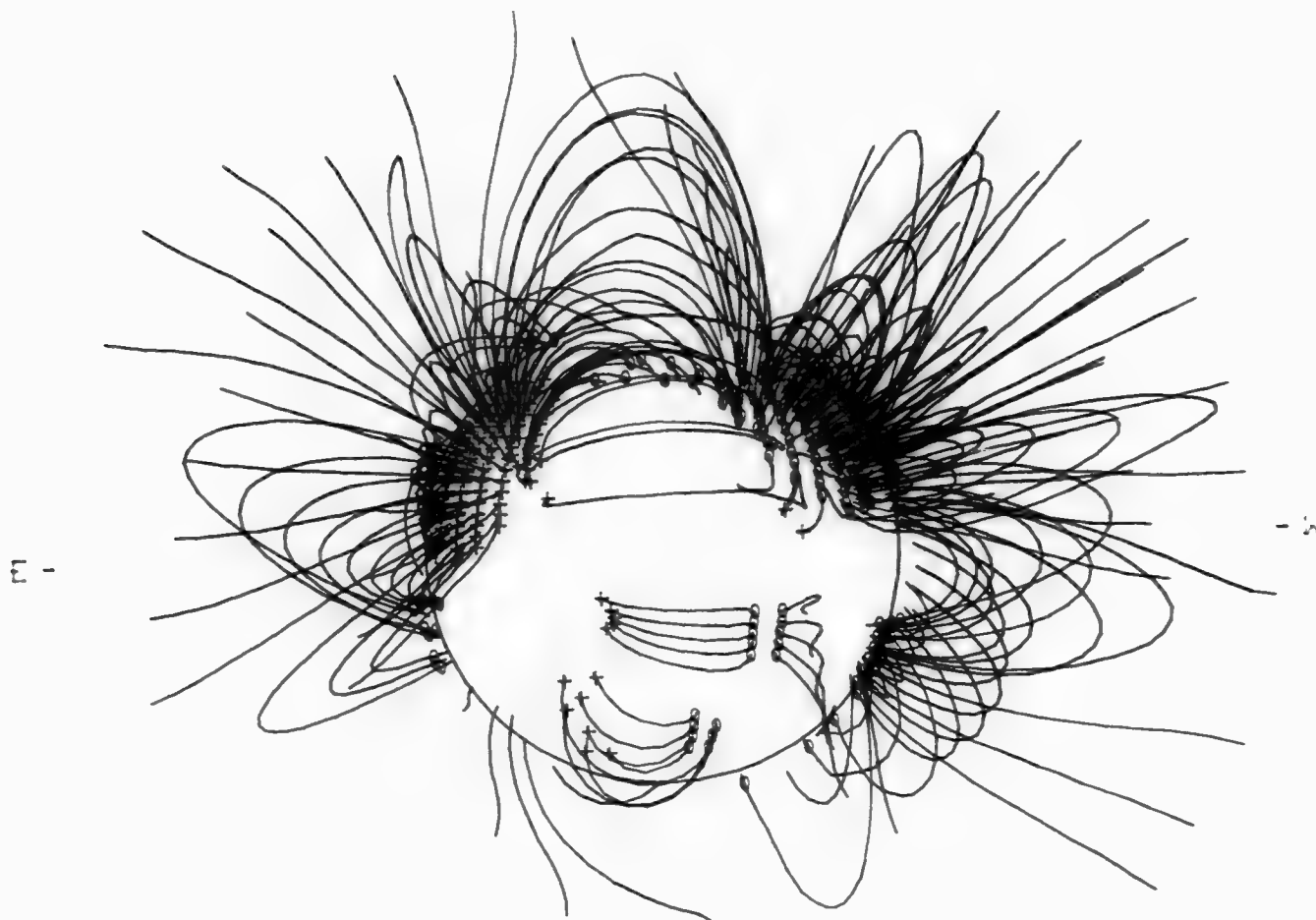
REL. 1525 LONG. 30°
 26.3 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11
1

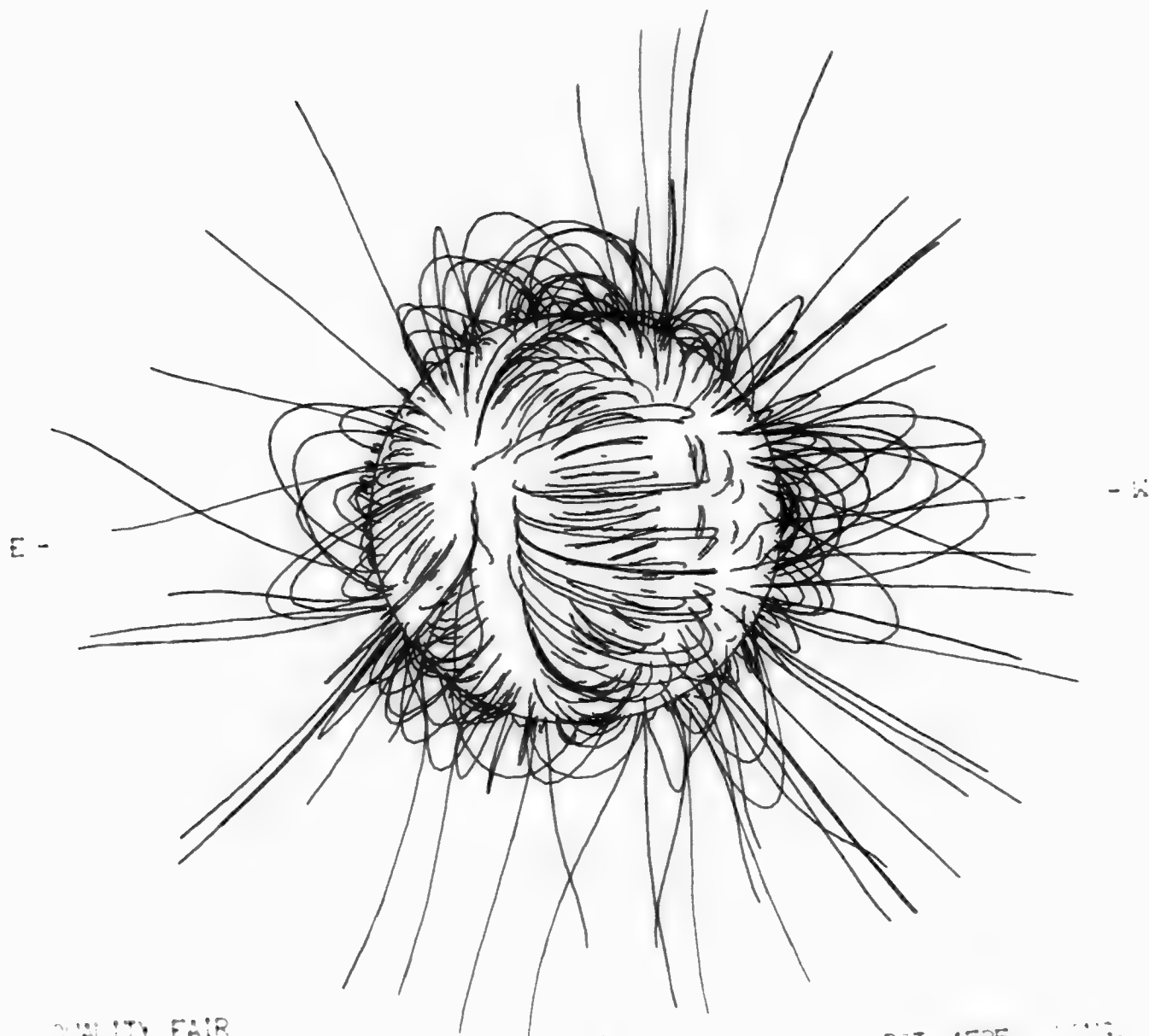


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

1
S

RCT. 1525 LONG. 21°
27.1 SEP 1967

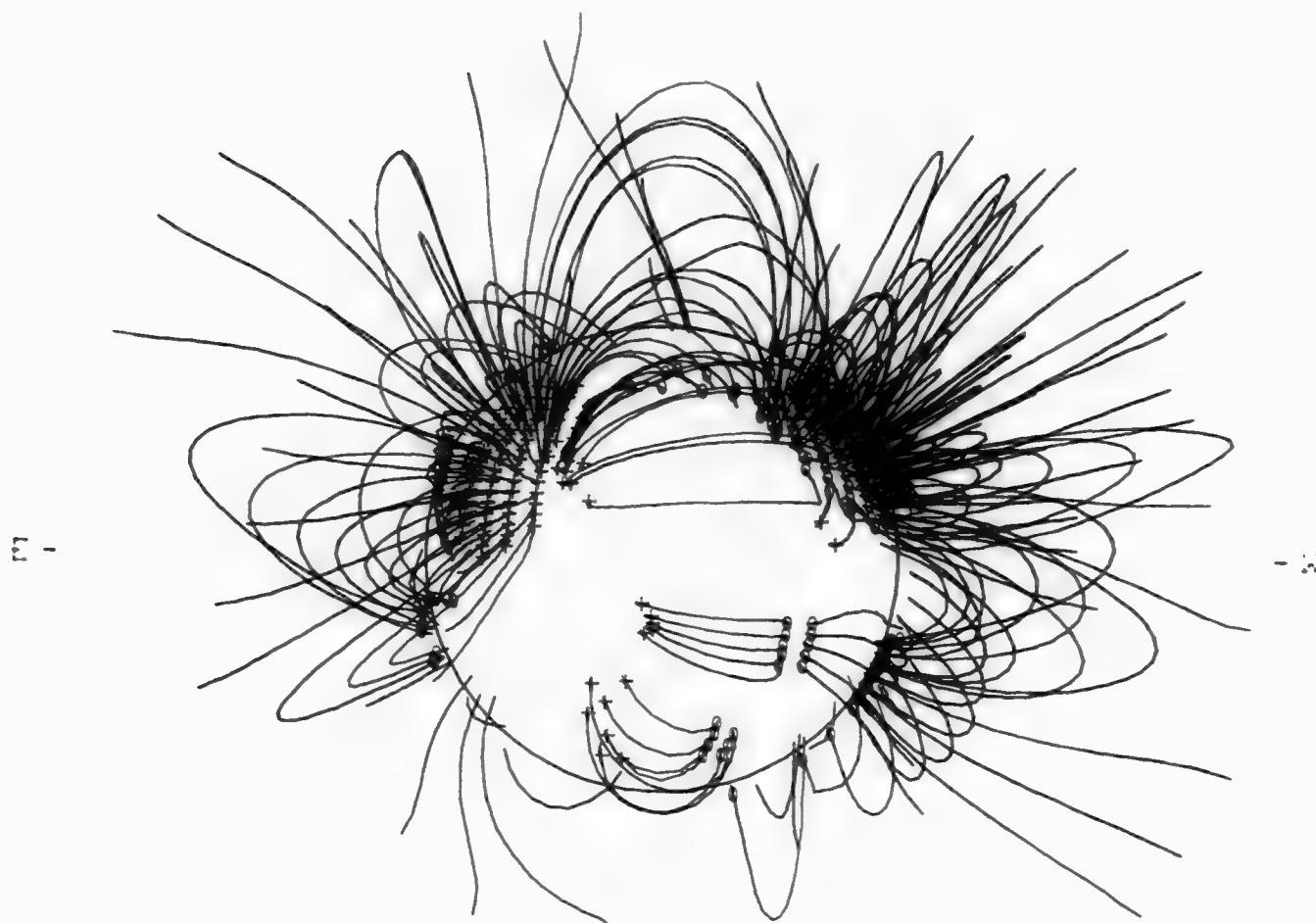
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

RET. 1525 2013. 11
27.8 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

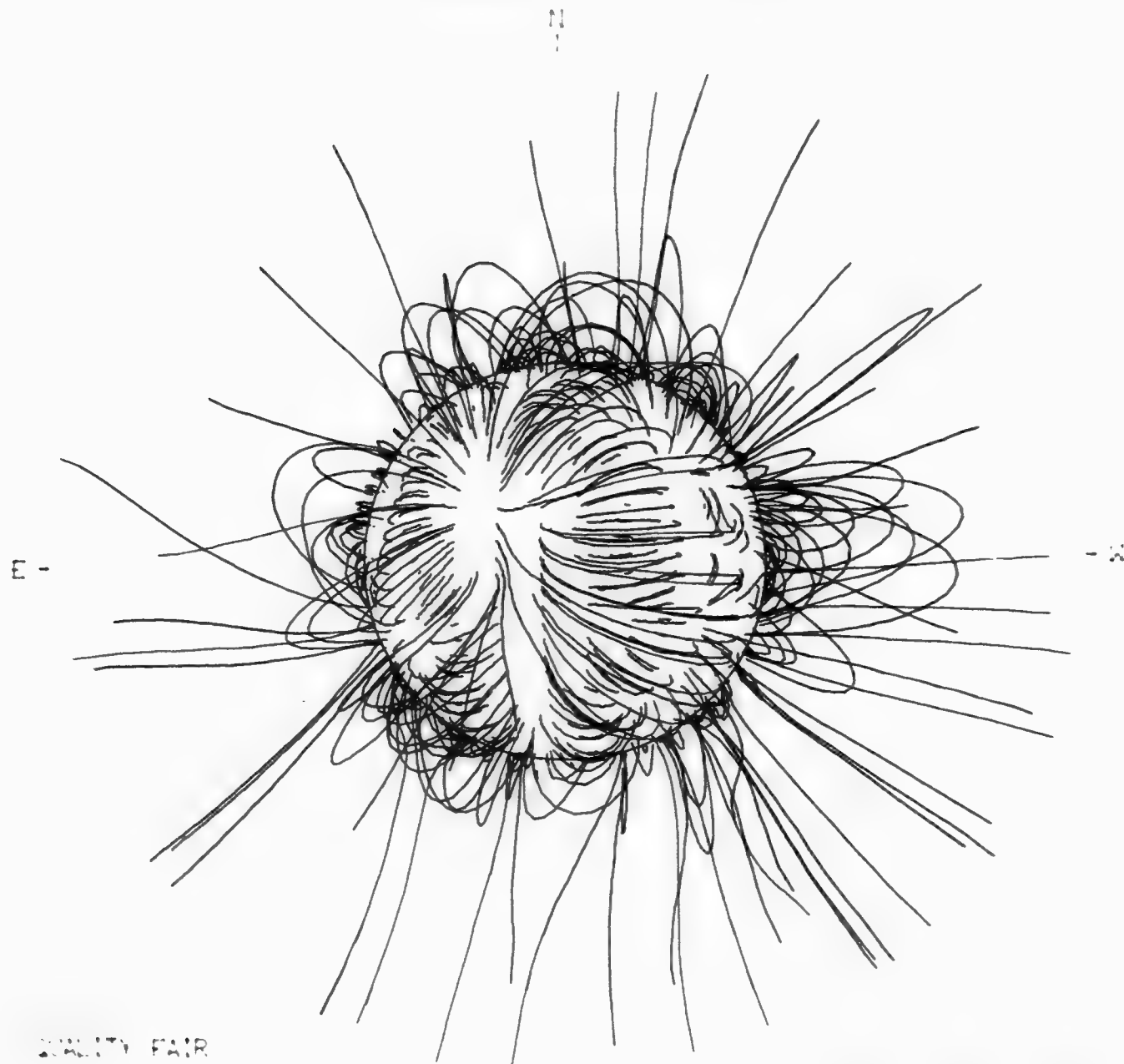
DATA WINDOW 1505.47

S

ROT. 1525 LONG. 11°

27.8 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

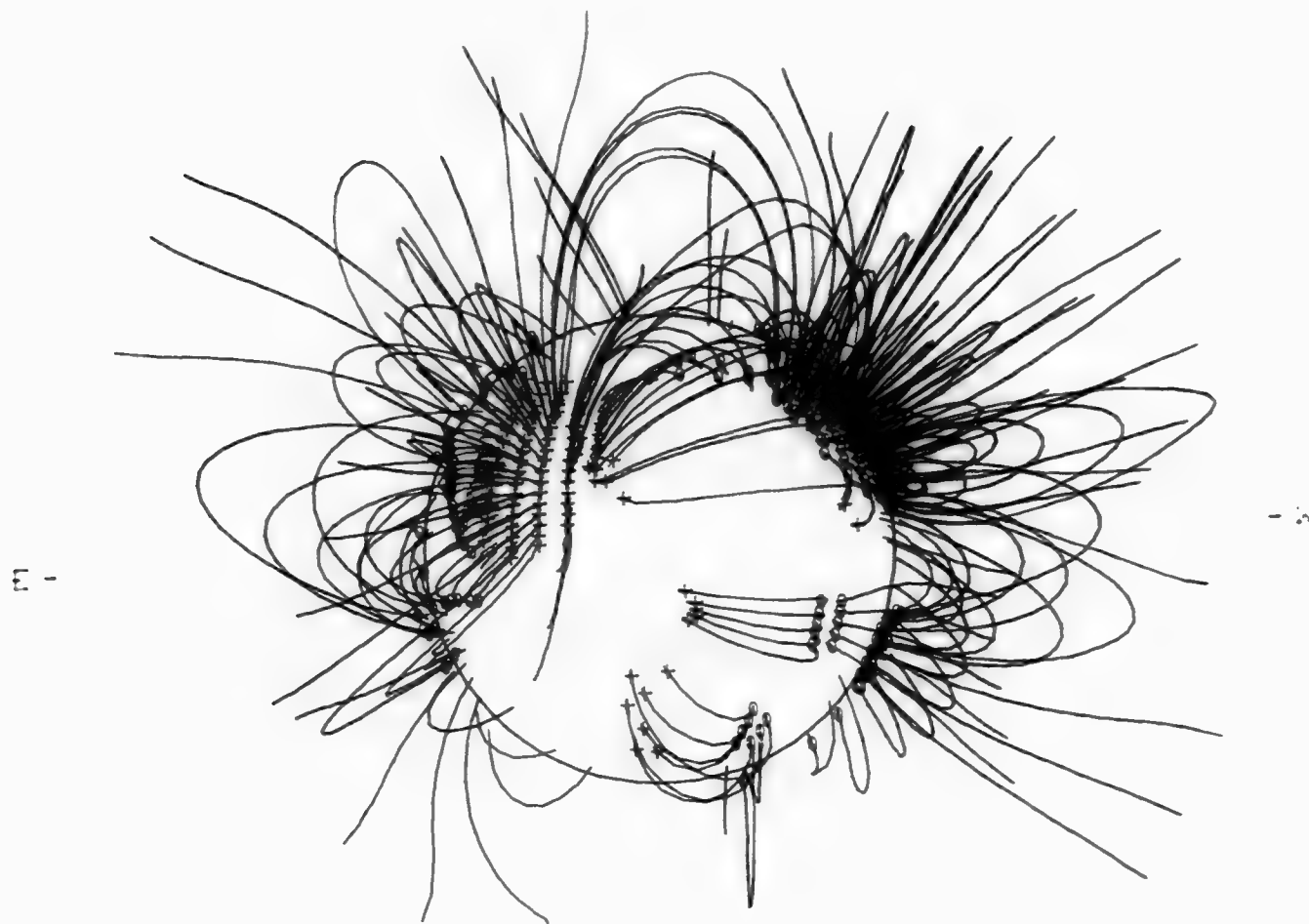
DATA WIND IN 1525.47

S

RUT. 1525 LONG. 10°

28.6 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

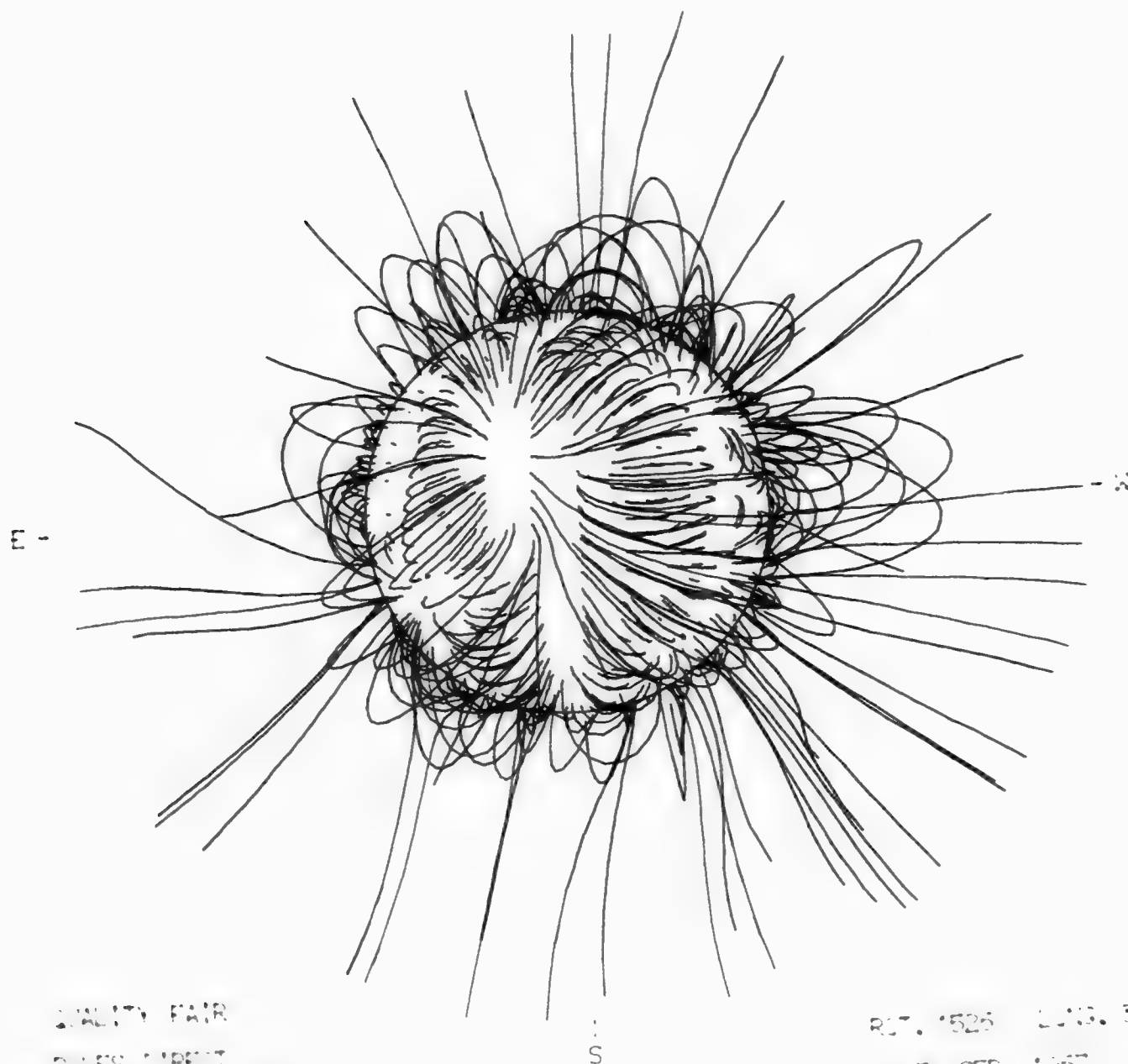


QUALITY FAIR
 RULES DIRECT
 DATA WINDOW 1525.47

S

ROT. 1525 2013. 1°
 28.6 SEP 1967

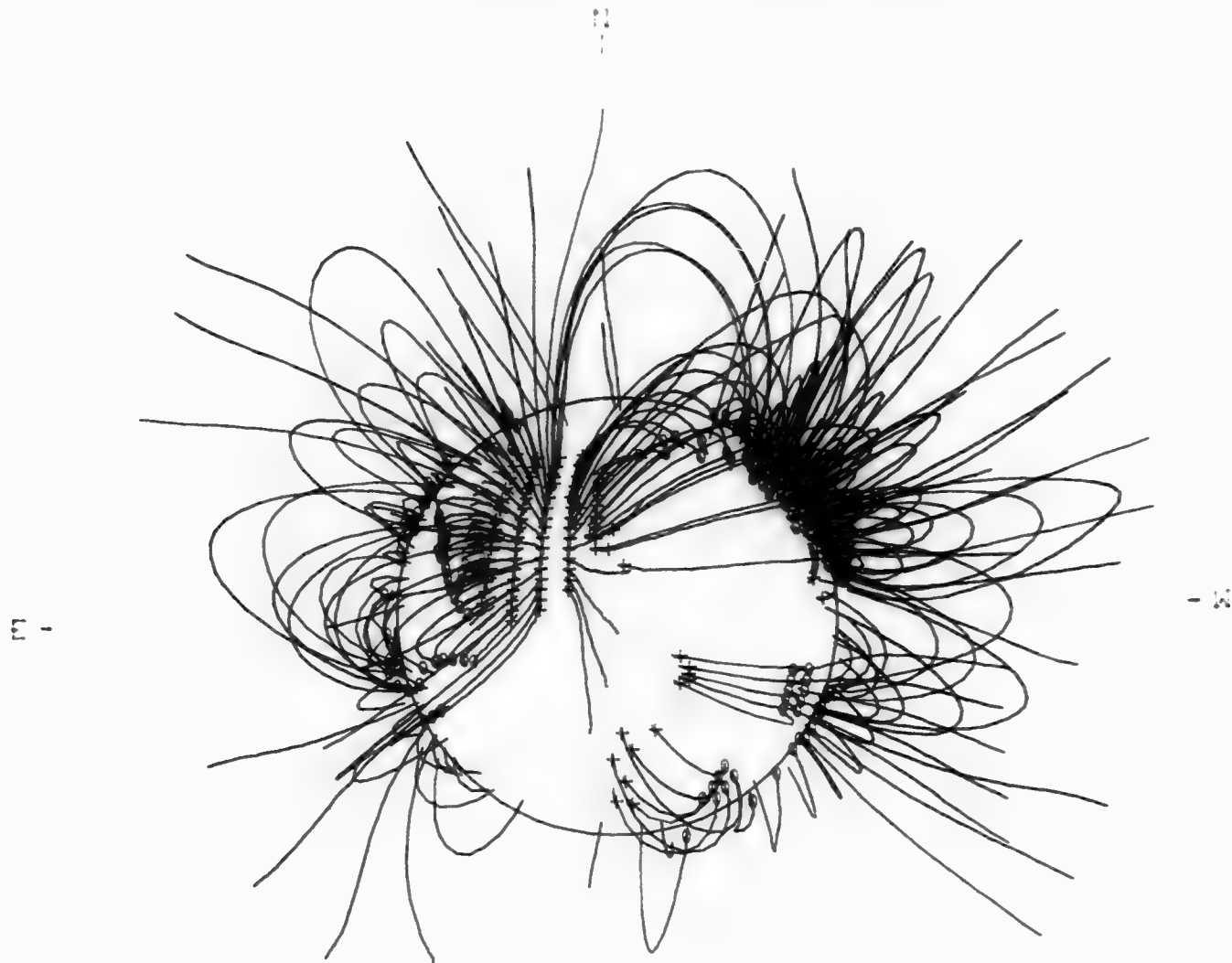
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PILES DIRECT
 DATA WINDOW 1525.47

RET. 1525 LING. 350
 24.3 SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

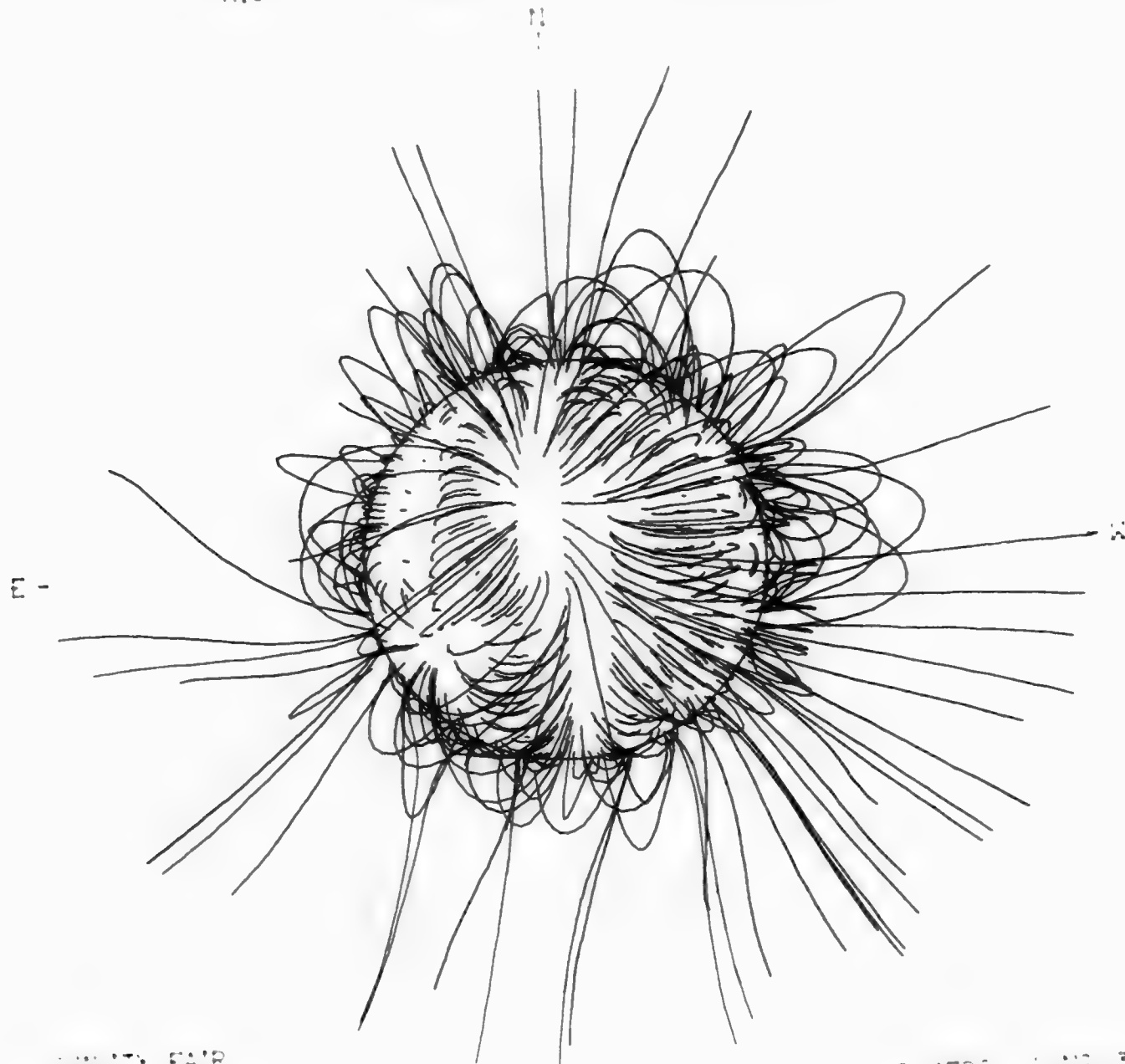
DATA WINDOW 1525.47

S

ROT. 1526 LONG. 351°

29.5 SEP 1967

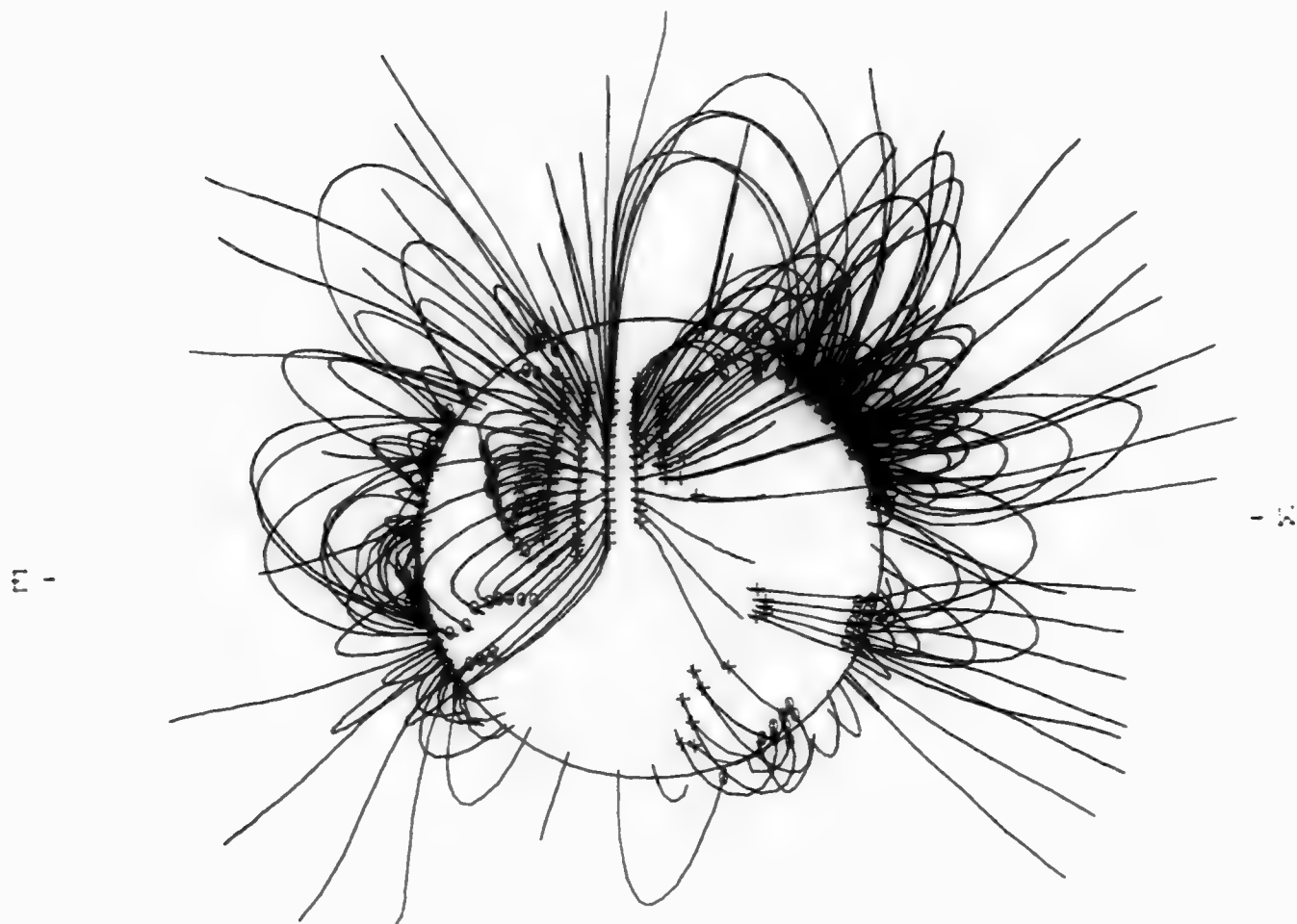
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

ROT. 1526 LONG. 341°
30.° SEP 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

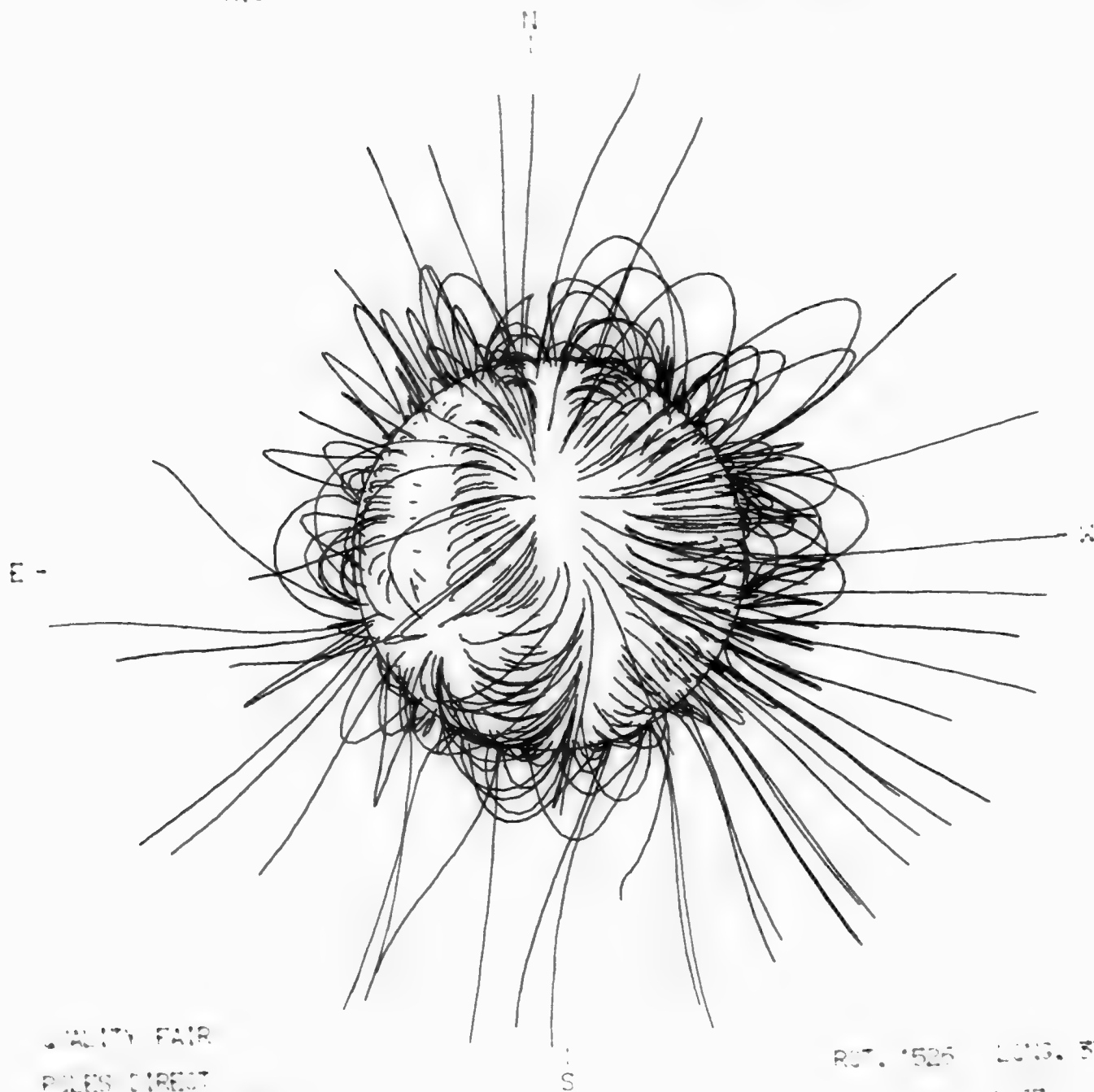


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1505.47

S

R.T. 1525 L.T.D. 340°
 30. SEP 1967

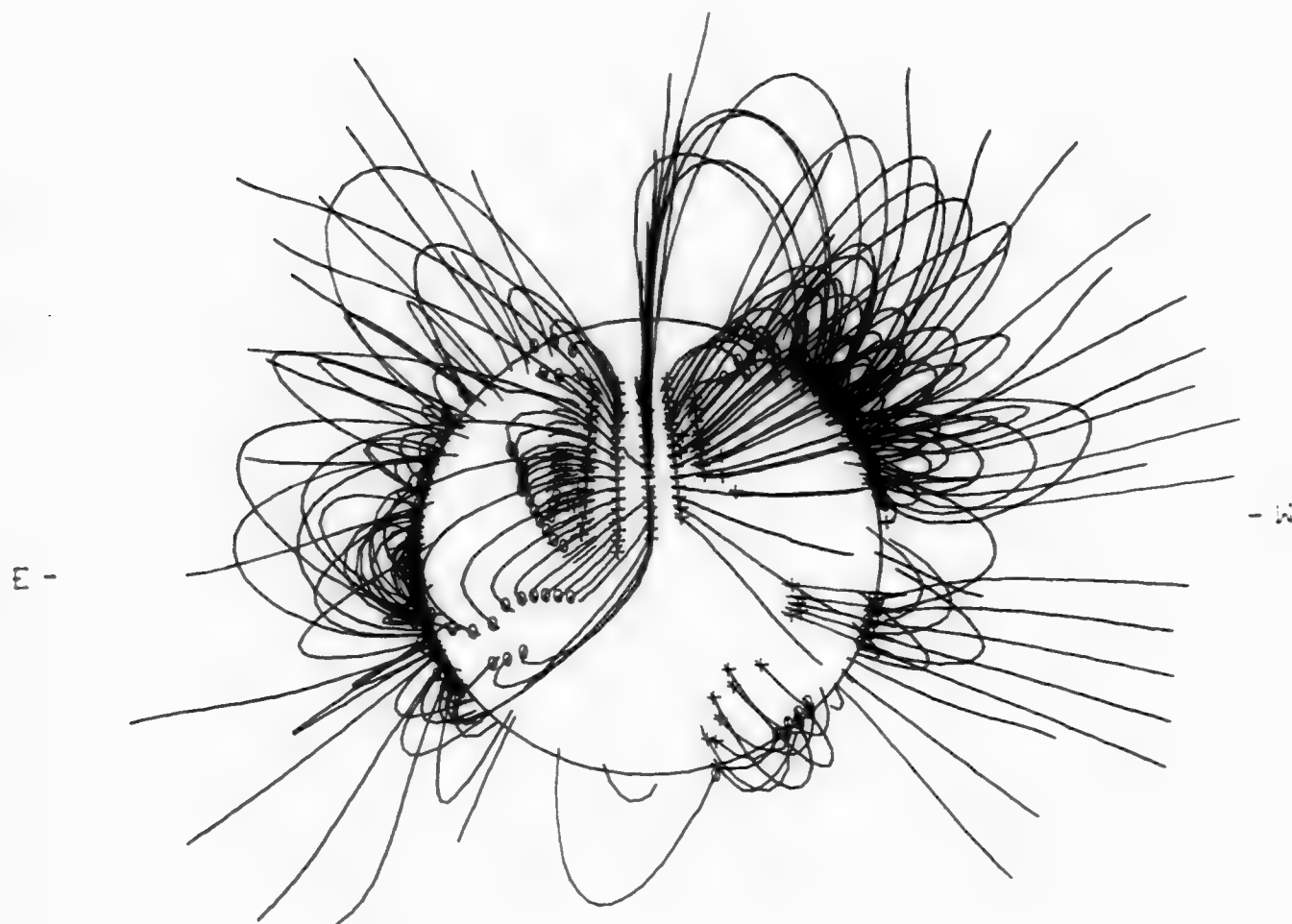
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

RUT. 1525 2013. 330°
30.8 SEP 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

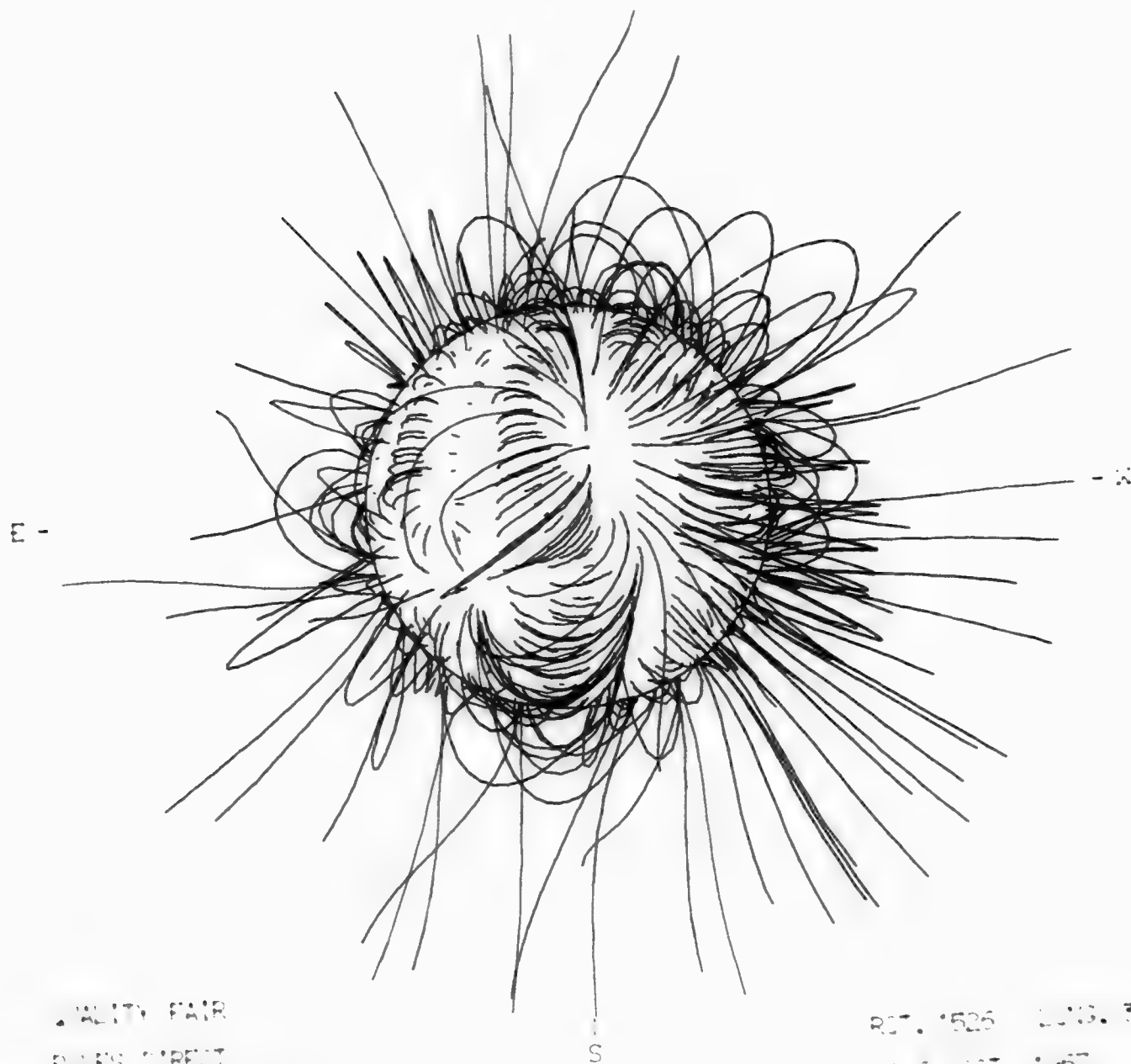


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1525.47

S

ROT. 1526 LONG. 330°
 30.8 SEP 1967

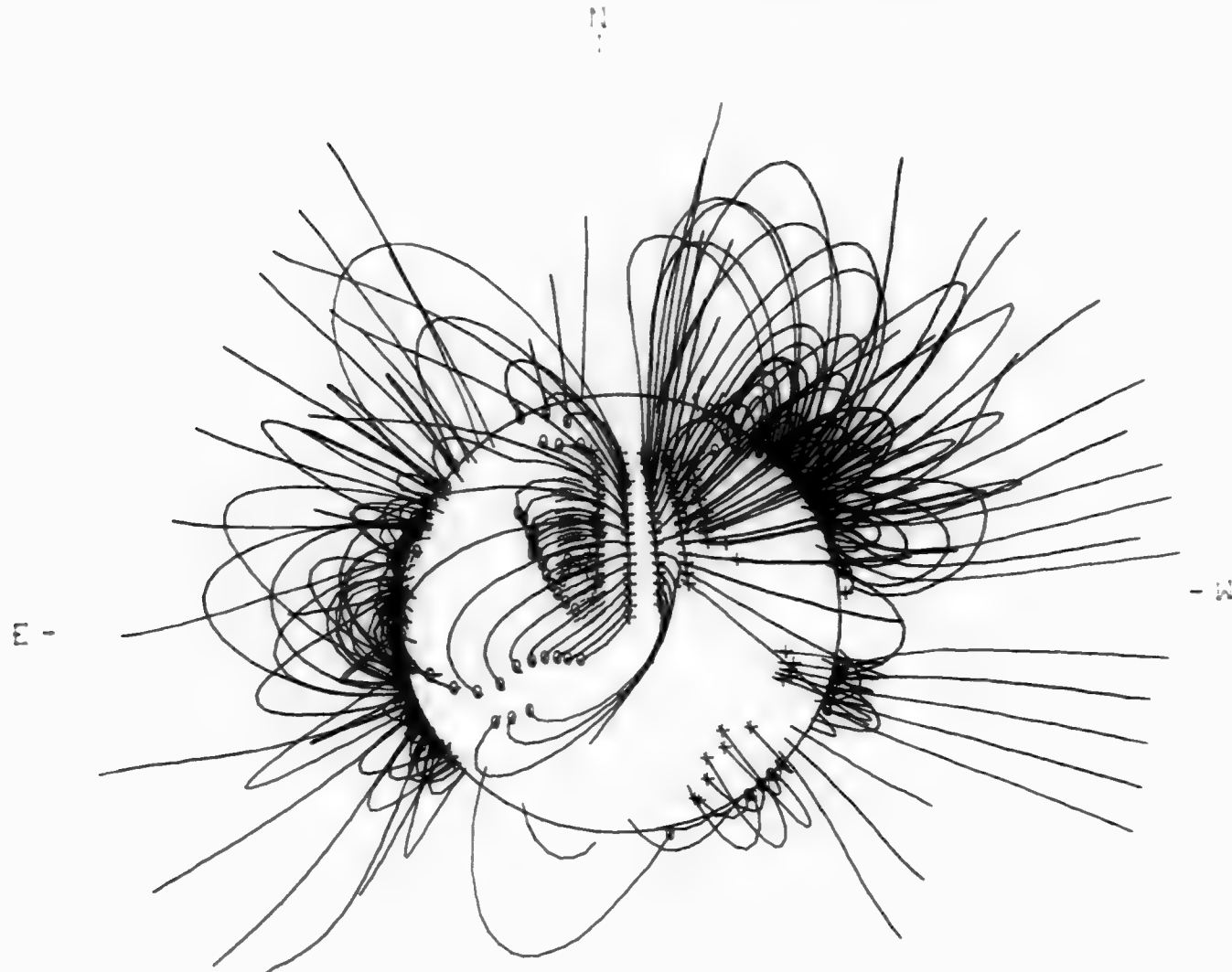
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PHASE DIRECT
 DATA AND IN 1525.47

ROT. 1526 1513.30
 1.5 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

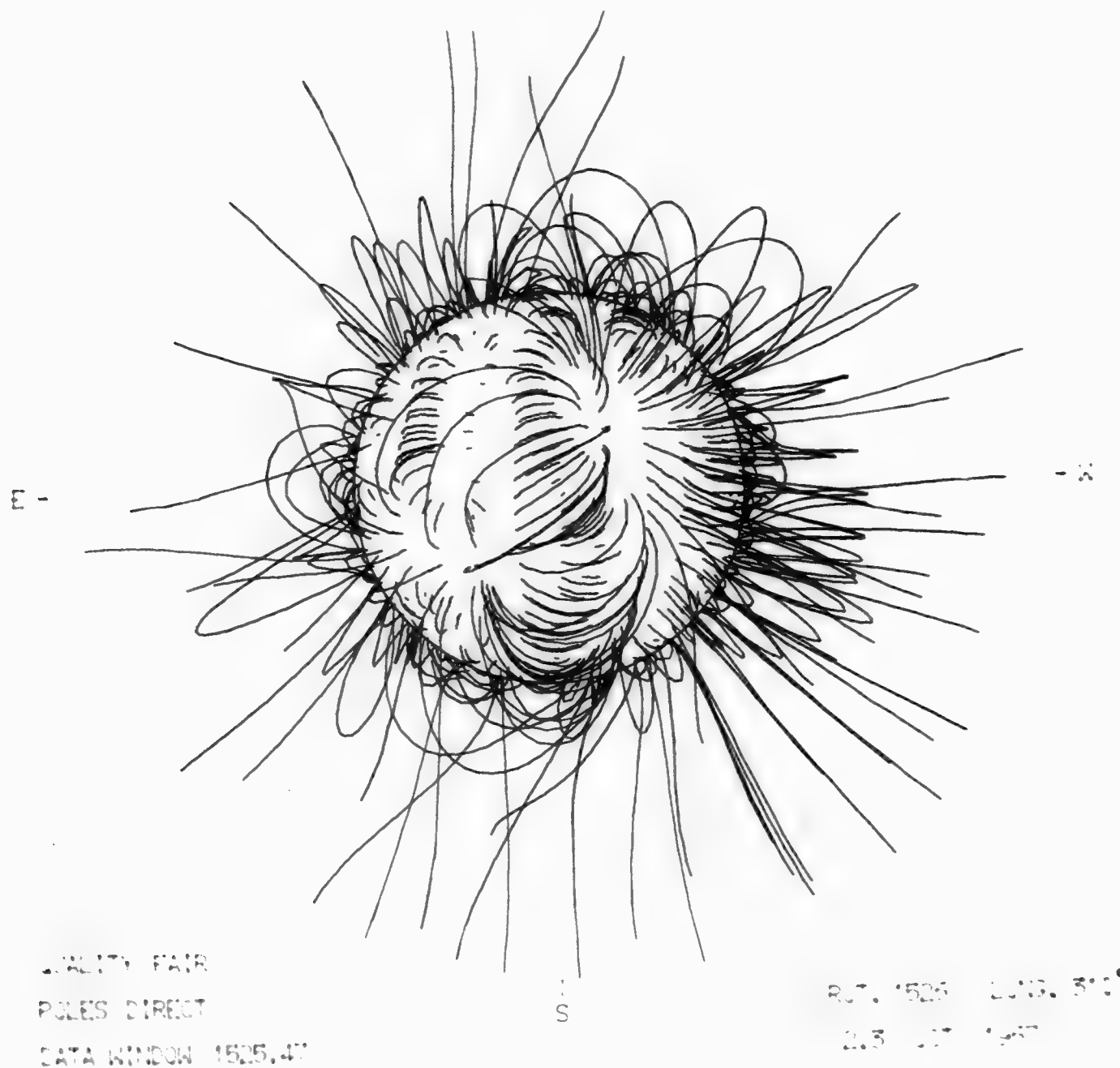


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

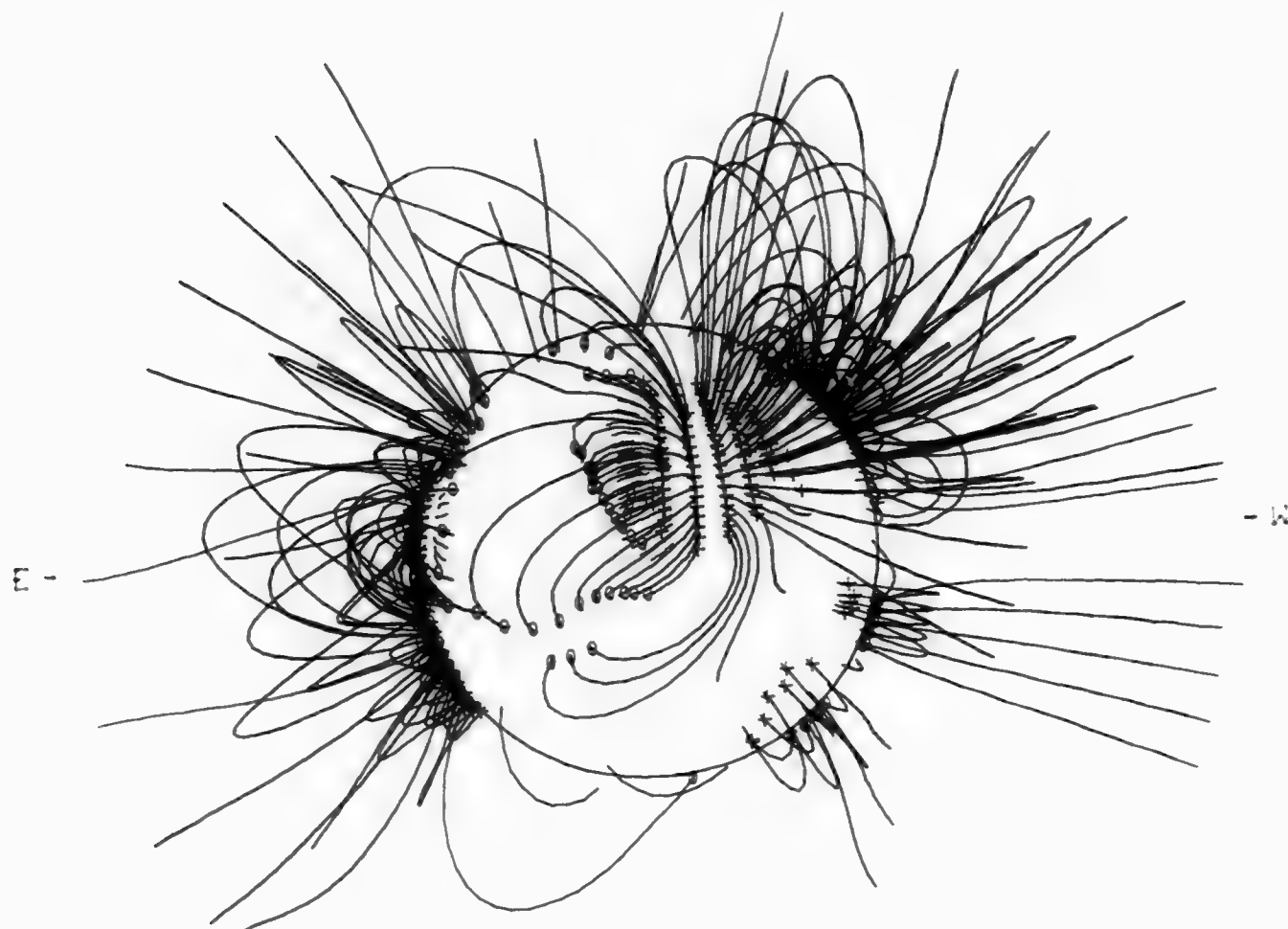
S

ROT. 1525 LONG. 321°
1.5 007 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

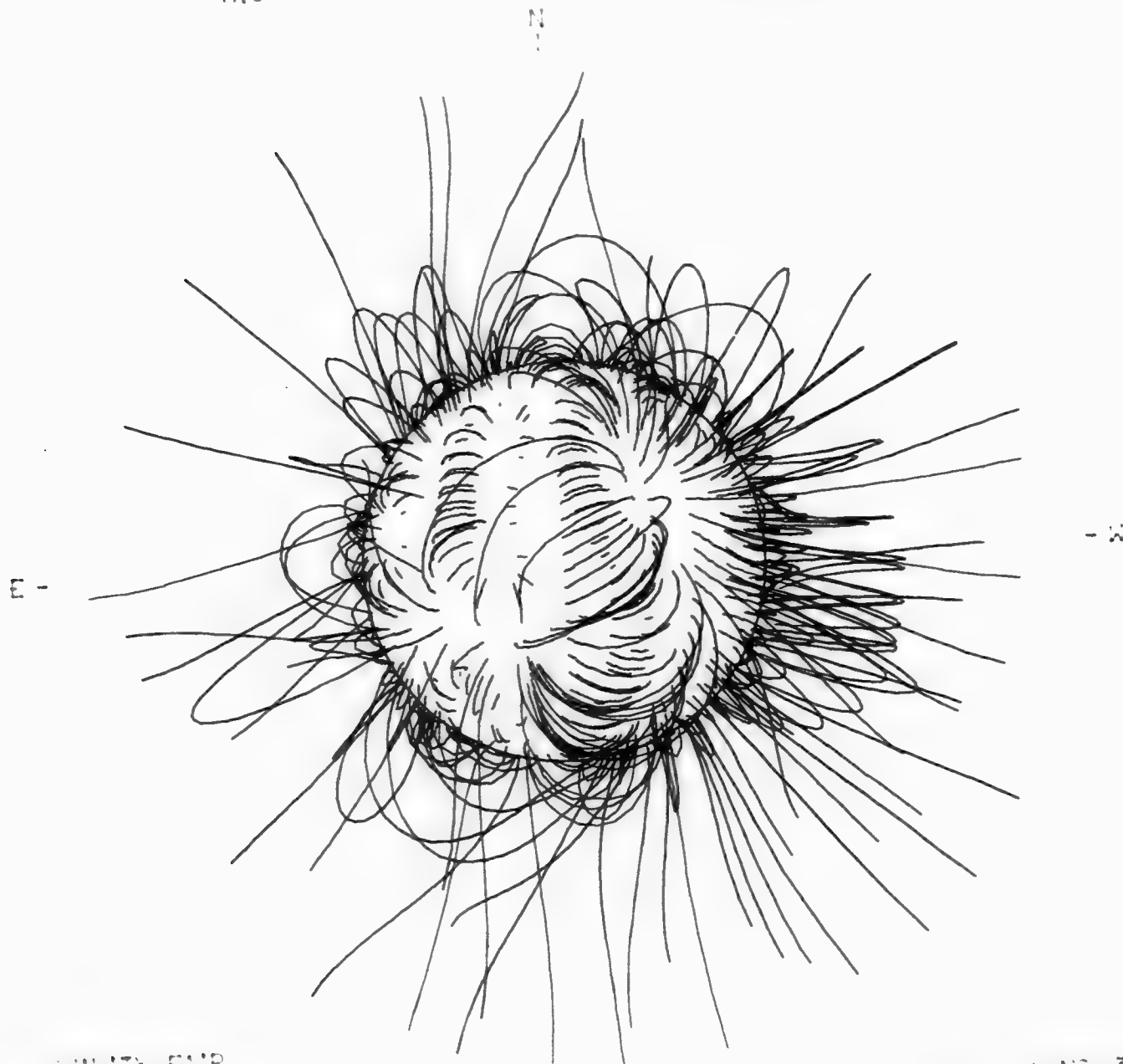


QUALITY FAIR
 POLES DIRECT
 DATA AUG 24 1525.47

S

ROT. 1526 LONG. 310°
 2.3 OCT 1967

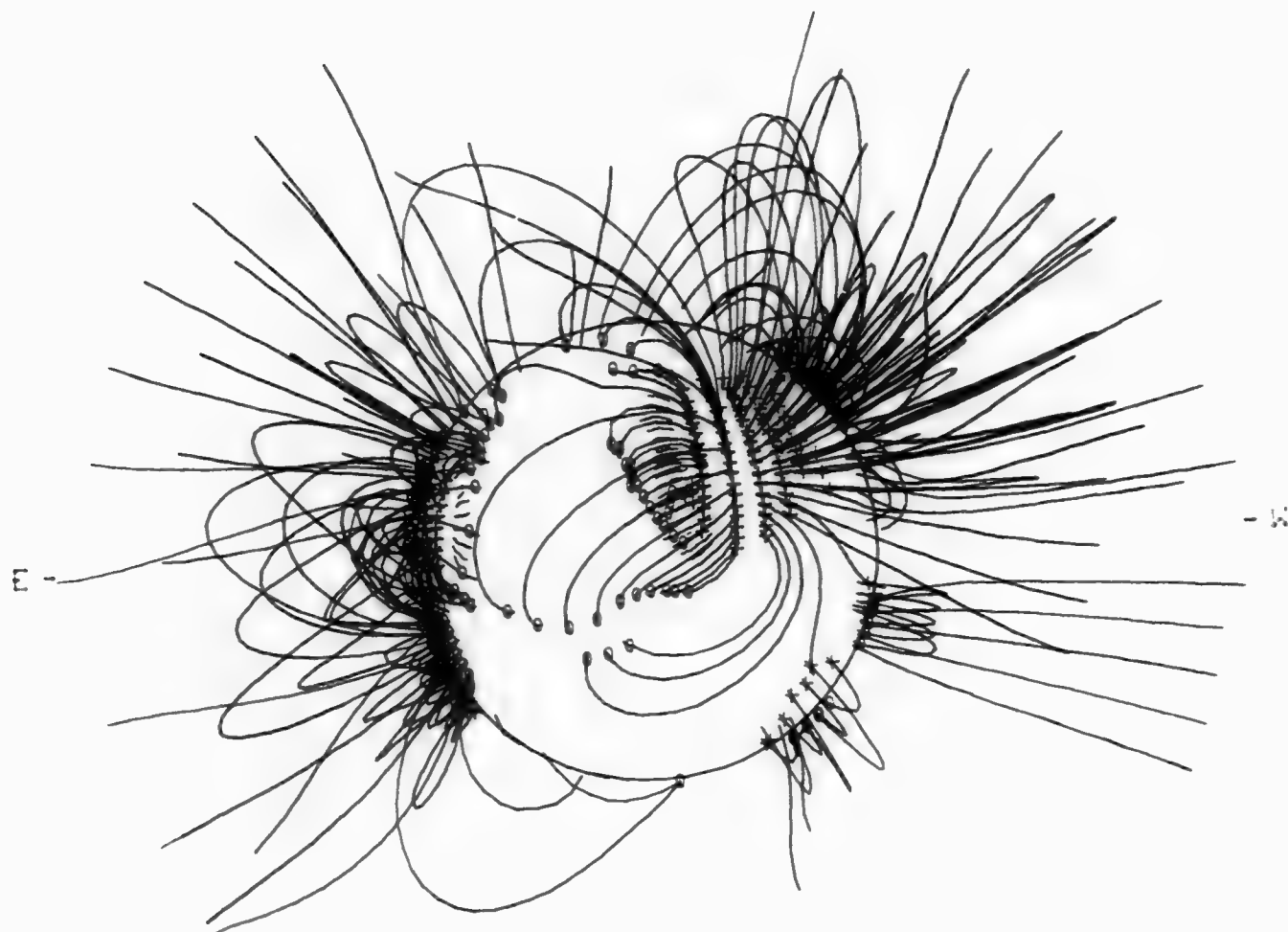
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA ANDON 1525.47

ROT. 1525 2013. 300°
 3. 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

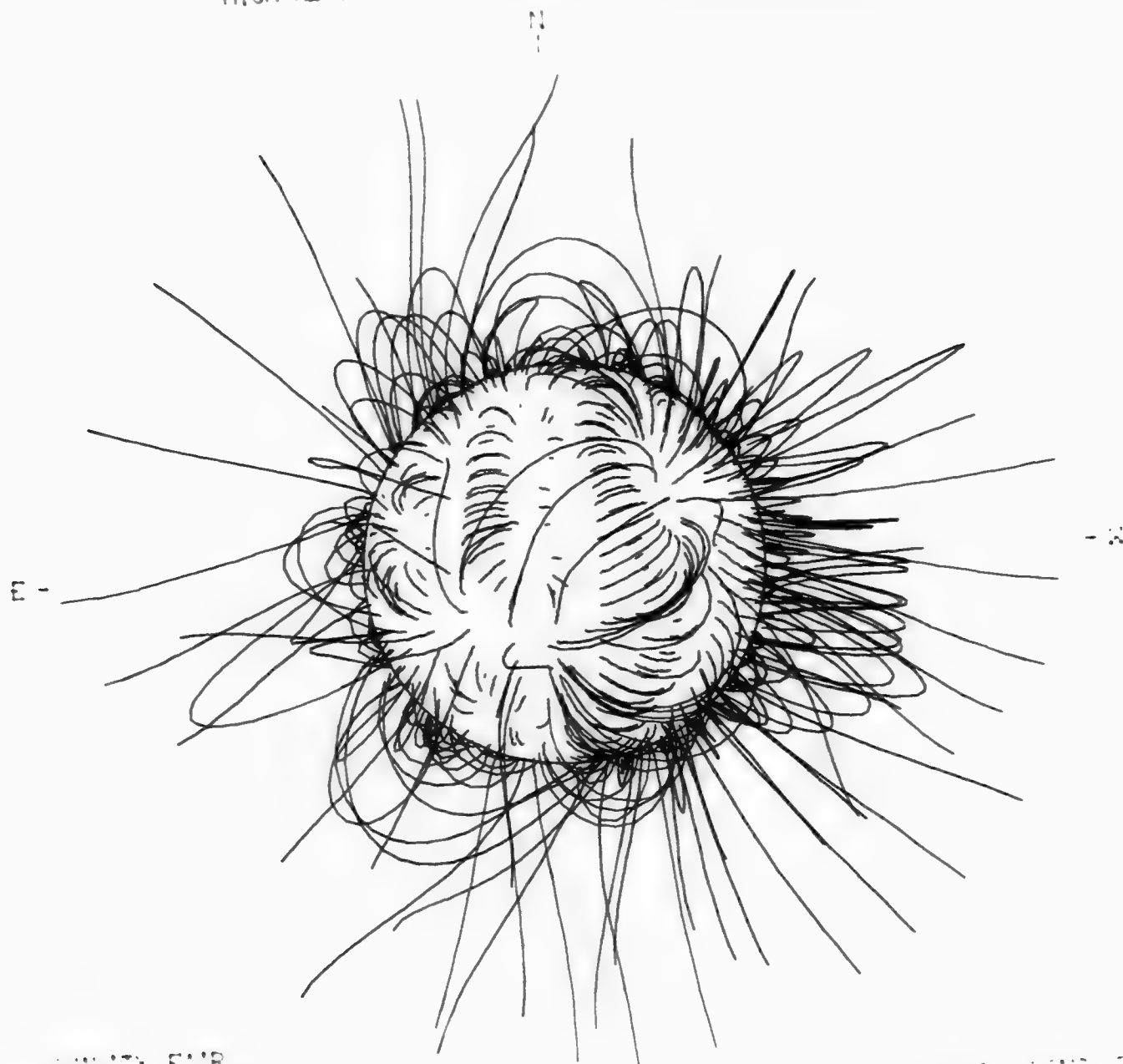


QUALITY FAIR
 POLES DIRECT
 DATA JAN 1957

S

2.7. '525 2.13. 300°
 3.1. '527 '957

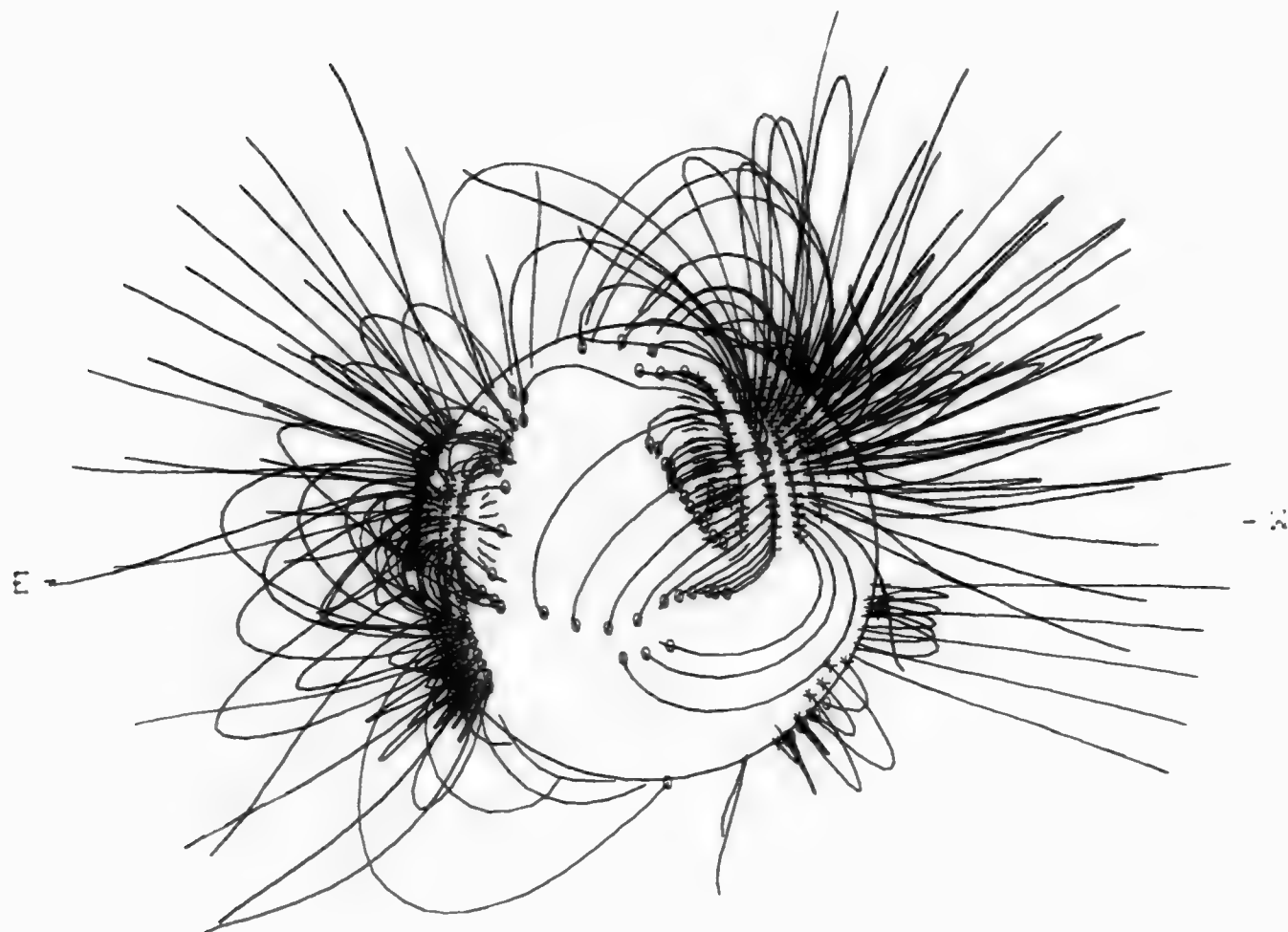
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA WIND ON 1525.47

ROT. 1526 2113.240°
 3.9 107 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

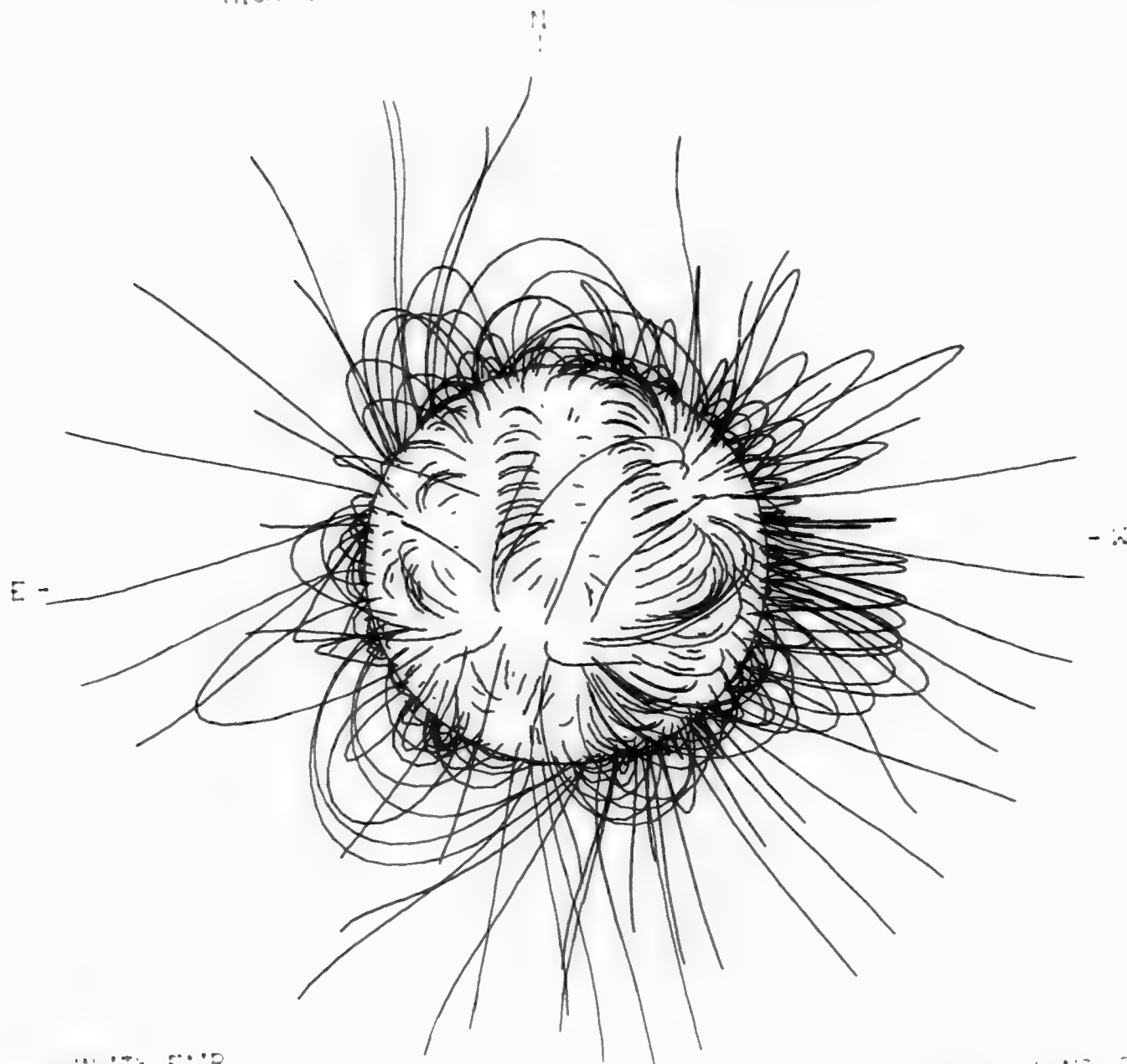


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1525.47

S

ROT. 1525 2013.240
 3.9 107 1367

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

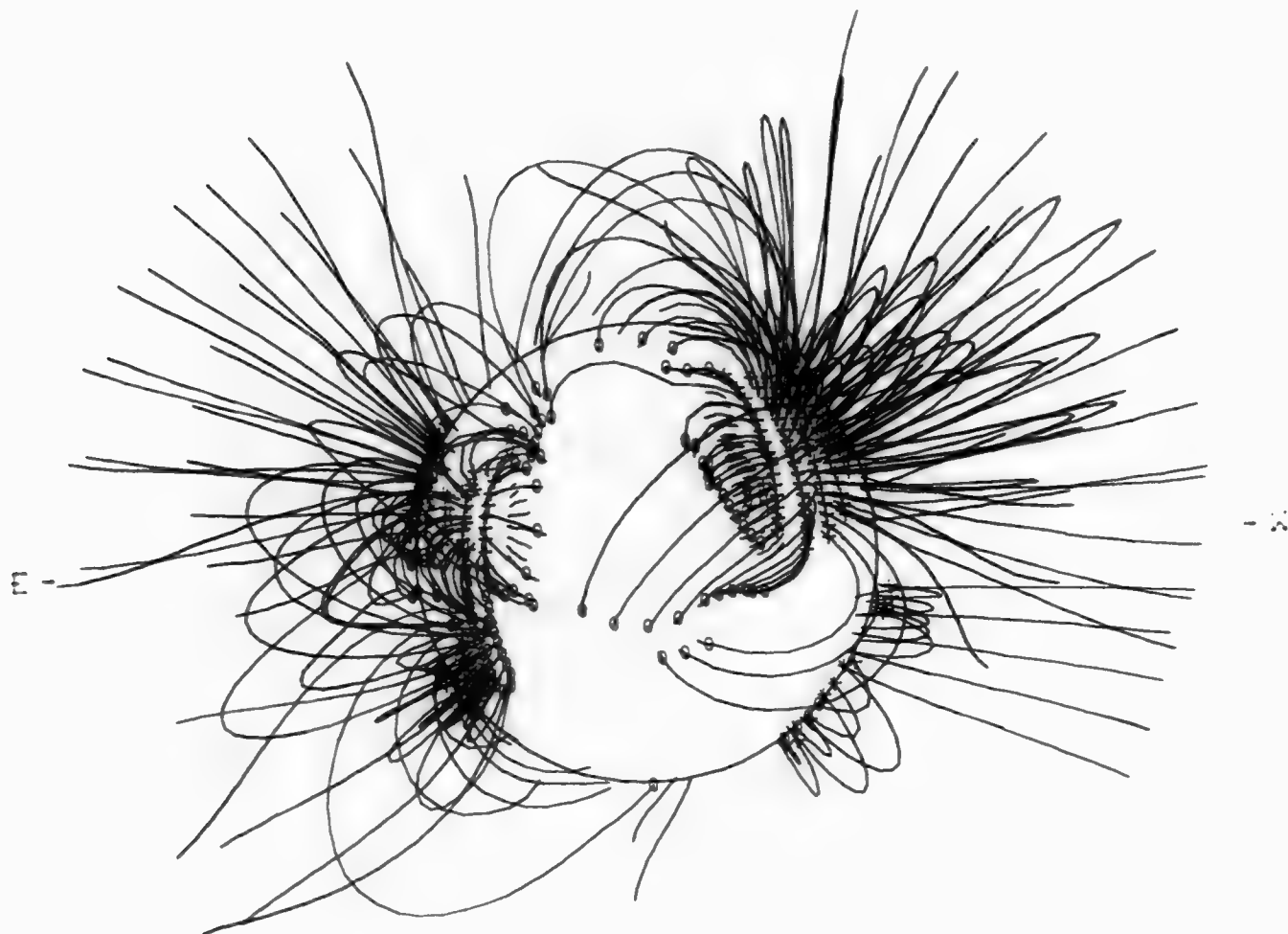


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1525.47

807.1525 1010.281
 4.6 117 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11
1

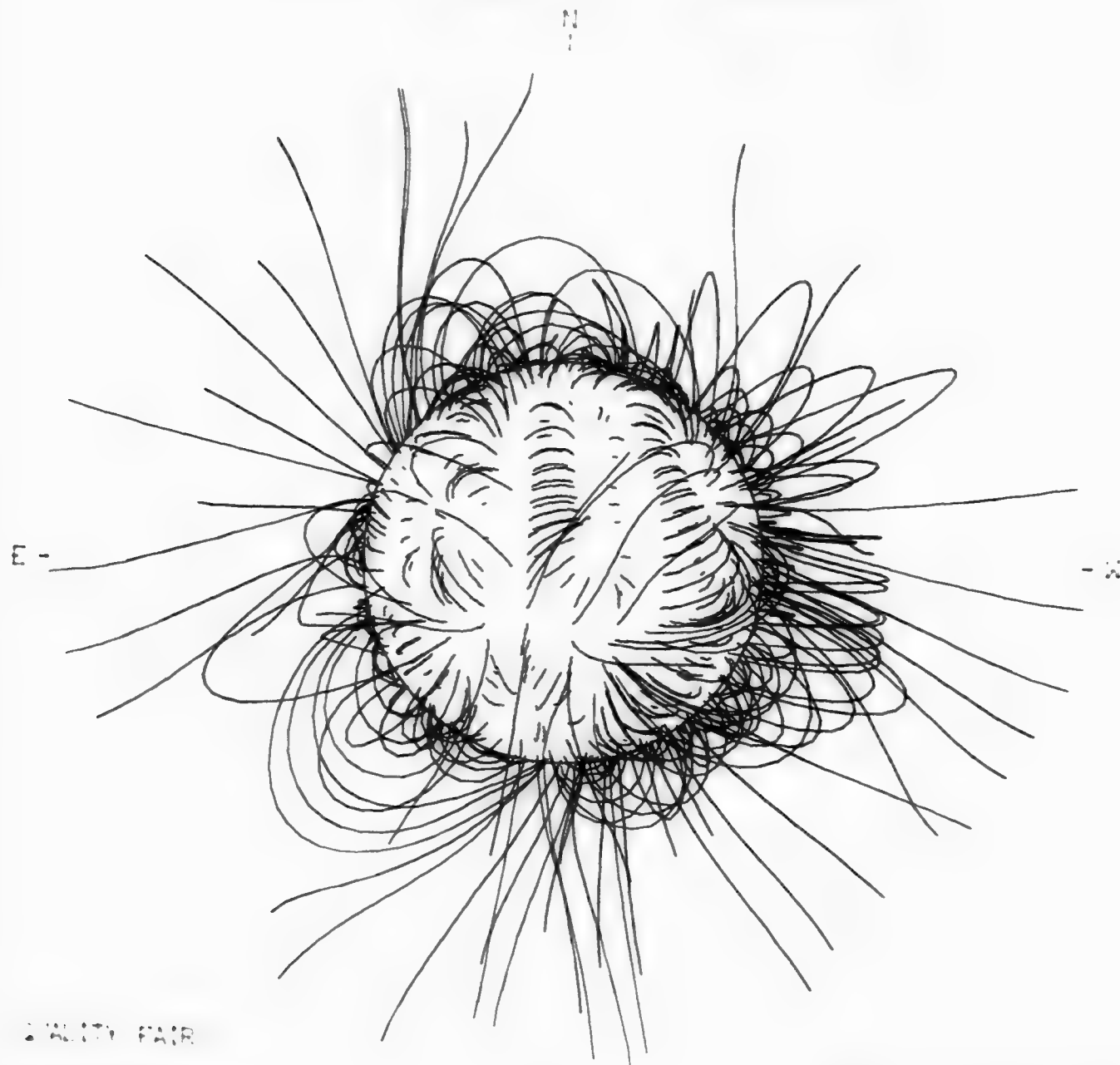


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1525.47

1
S

REL. 1525 2010.281°
4.6 107 1007

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

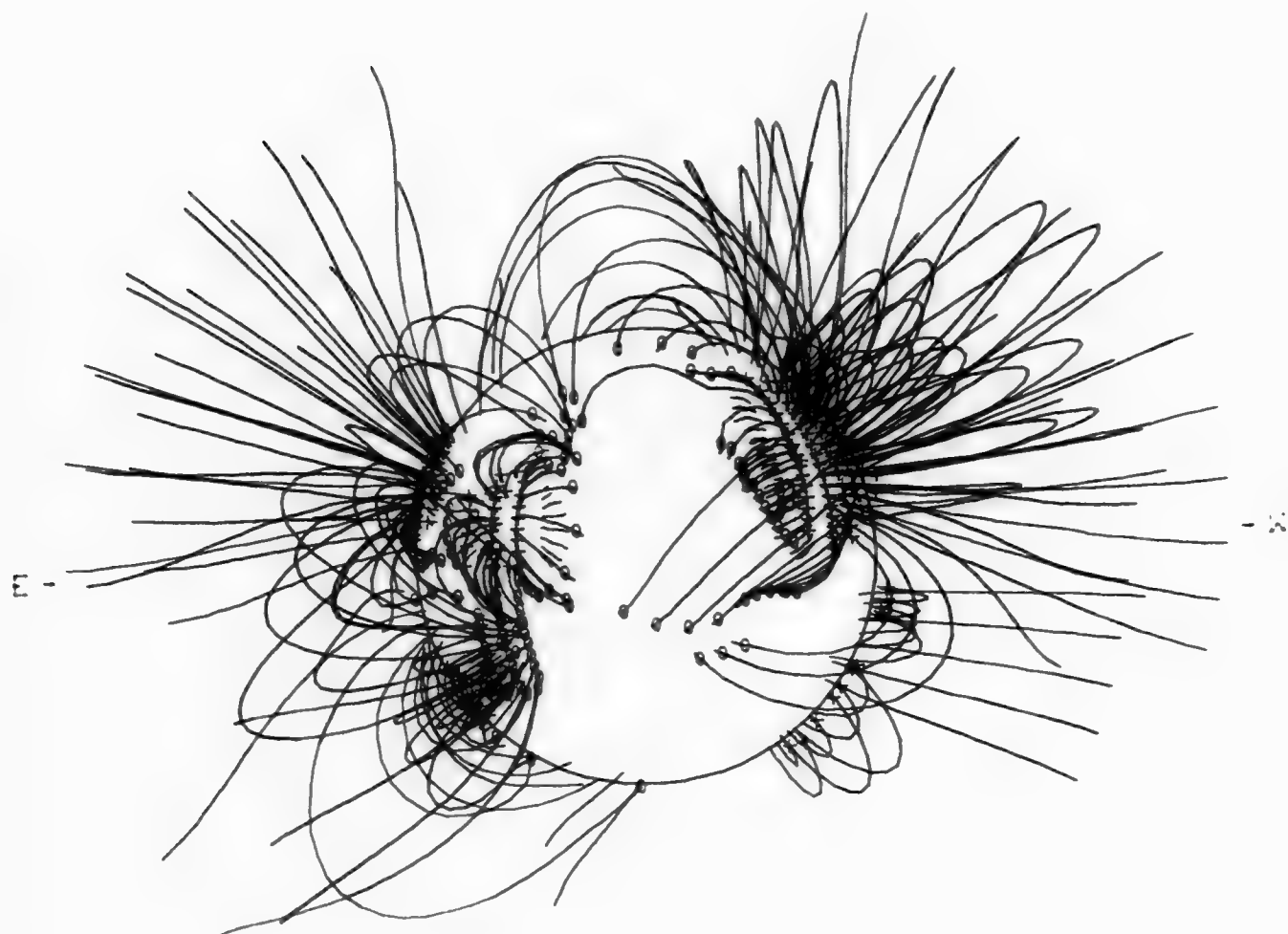
DATA ACQUISITION 1505.47

S

R.T. 1526 L.O.B. 171°

5.4 107 1407

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

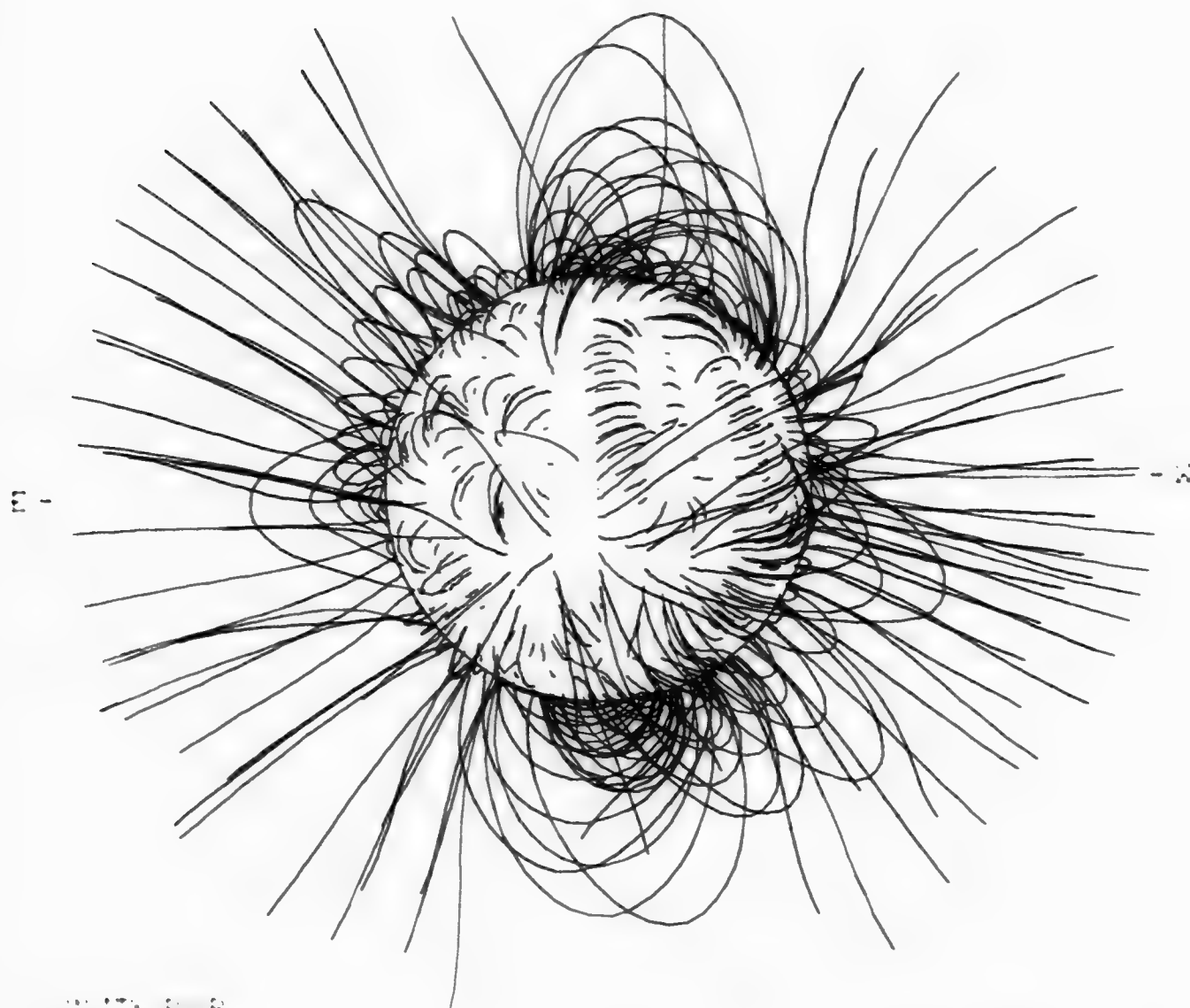


QUALITY FAIR
 POLES DIRECT
 DATA APRIL 1525.47

S

ROT. 526 2113. 270°
 5.4 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

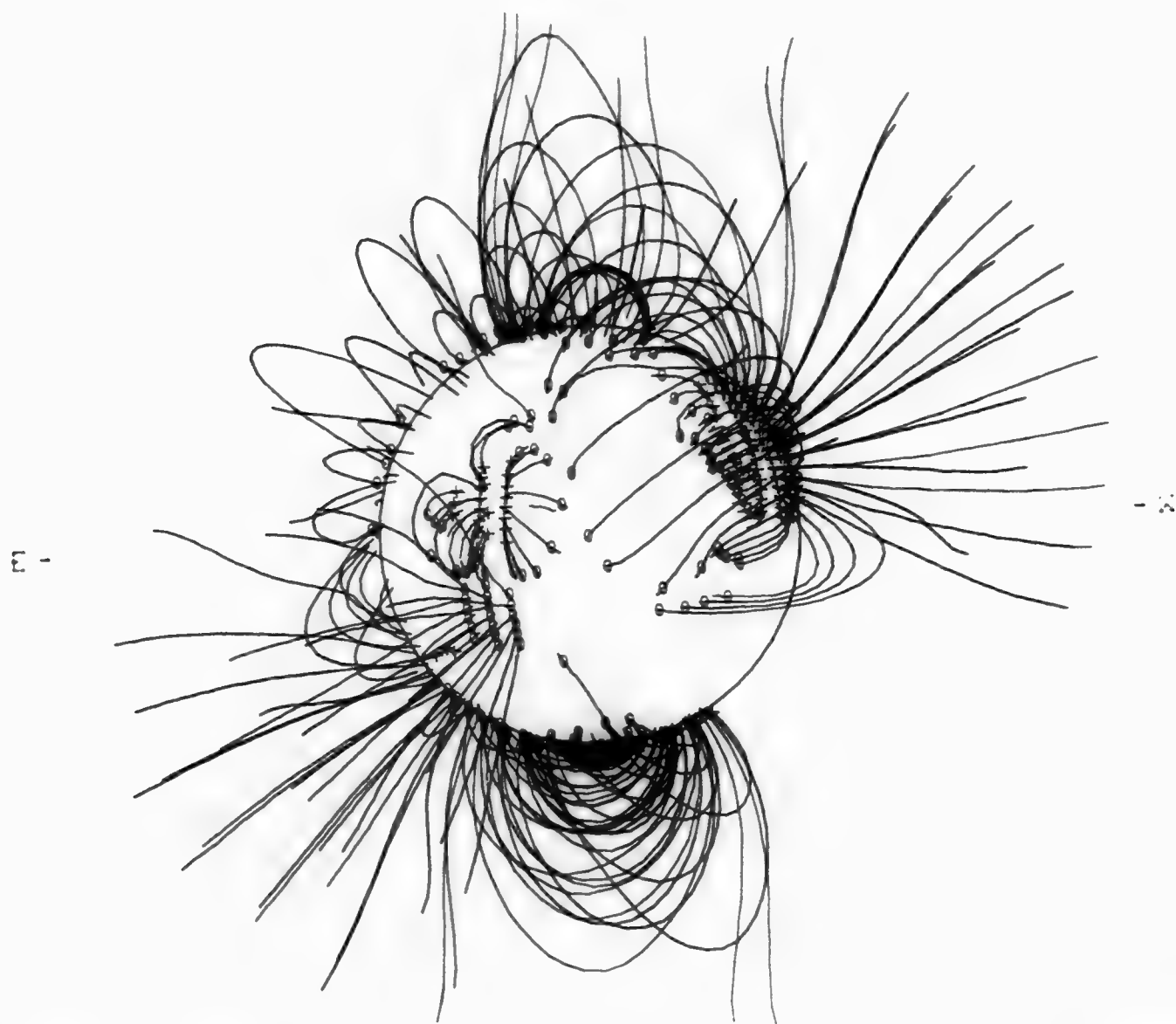


QUALITY FOUR
 FULLY DIRECT
 DATA AVAILABLE FROM 1960

S

EST. 1960 - 2000. 2000
 1000 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

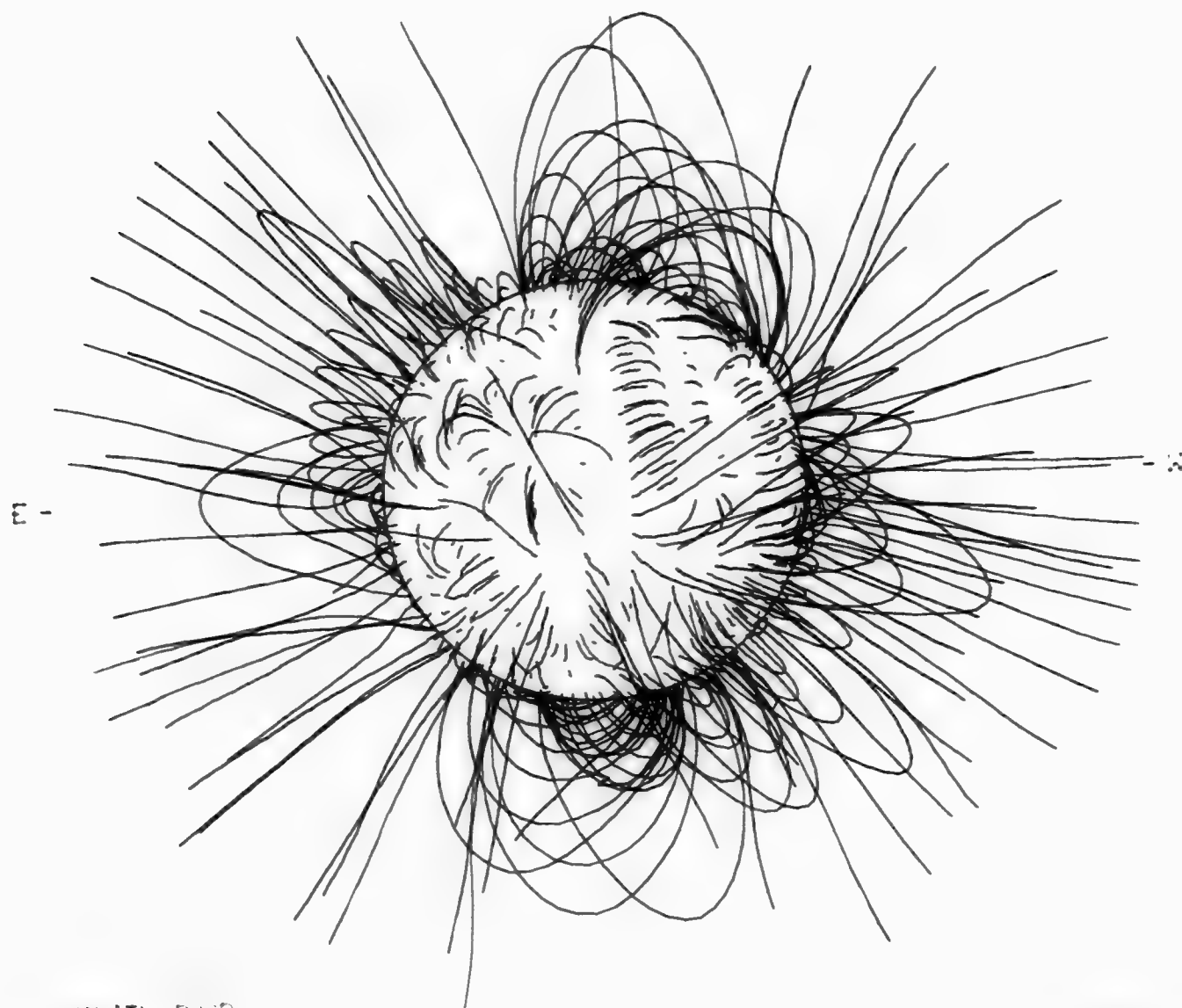


QUALITY POOR
 RULES DIRECT
 DATA WINDOW 1526.00

S

ROT. 1526 2110.250°
 6.1 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

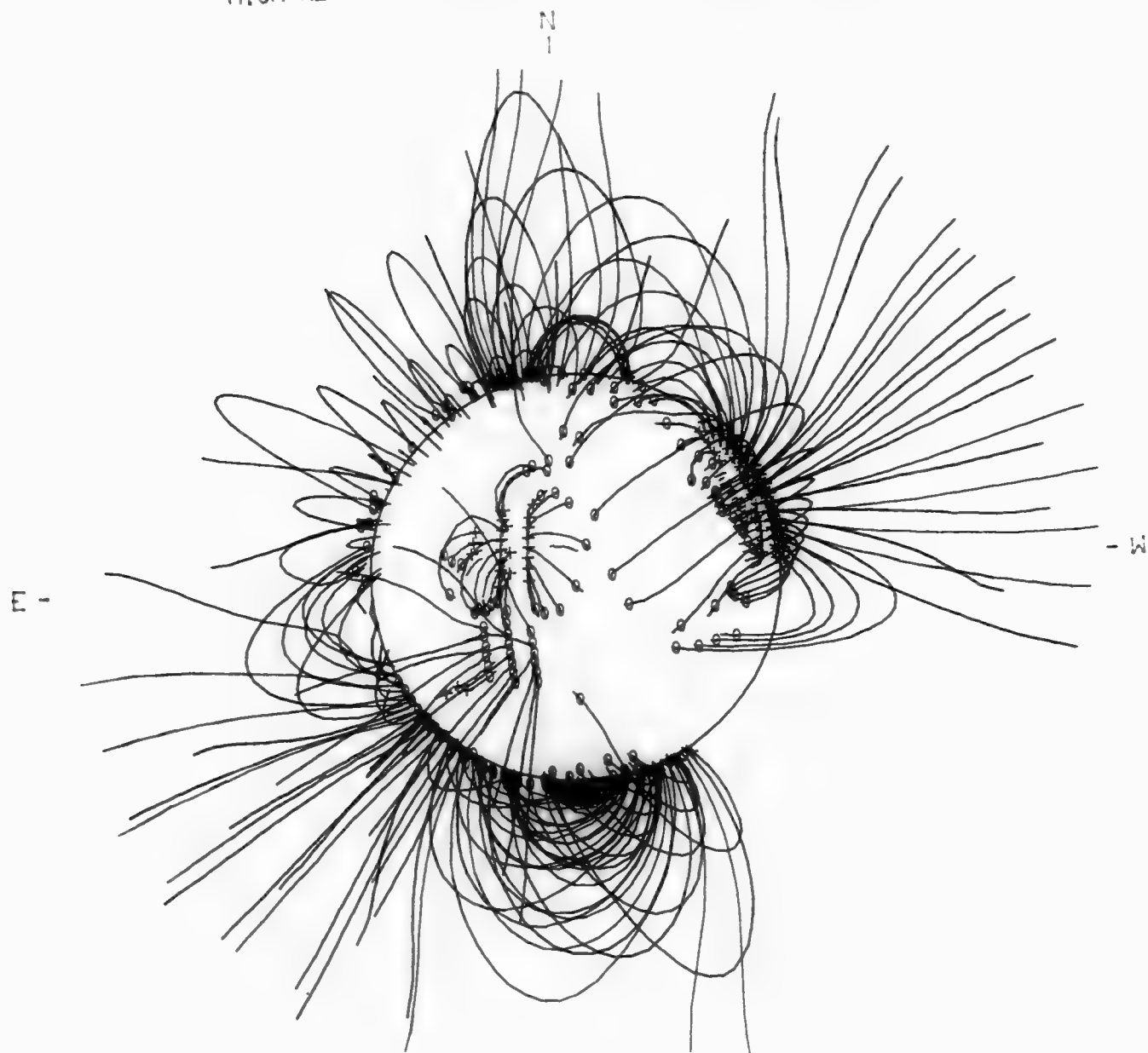


QUALITY POOR
POLES DIRECT
DATA WINDOW 1526.00

S

RCT. 1526 LONG. 250°
6.9 OCT 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

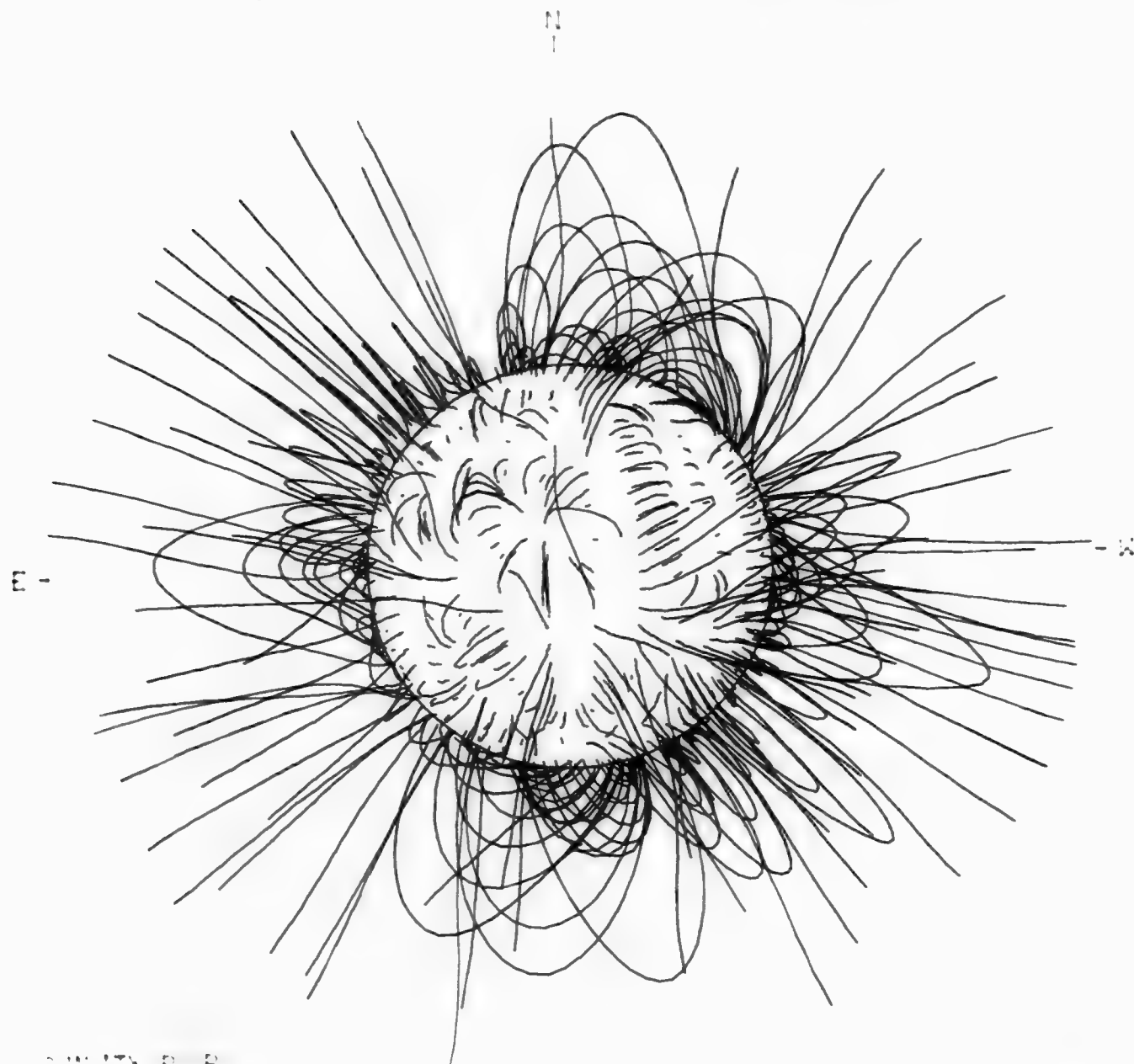


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ROT. 1526 LONG. 250°
6.9 OCT 1967

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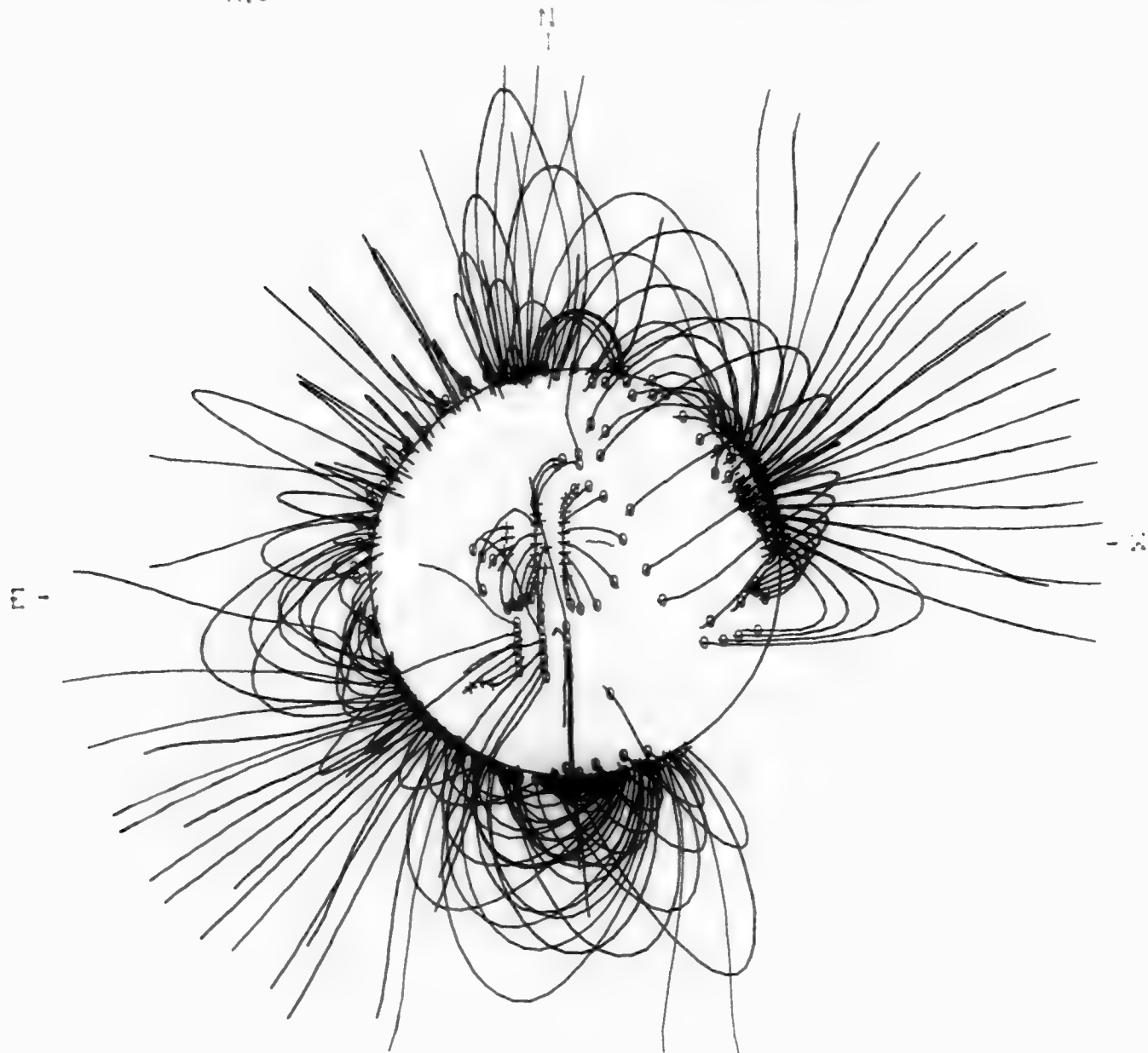


QUALITY FOUR
POLES DIRECT
DATA WINDOW 1526.00

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S

ROT. 1526 LONG. 240°
7.6 107 1067

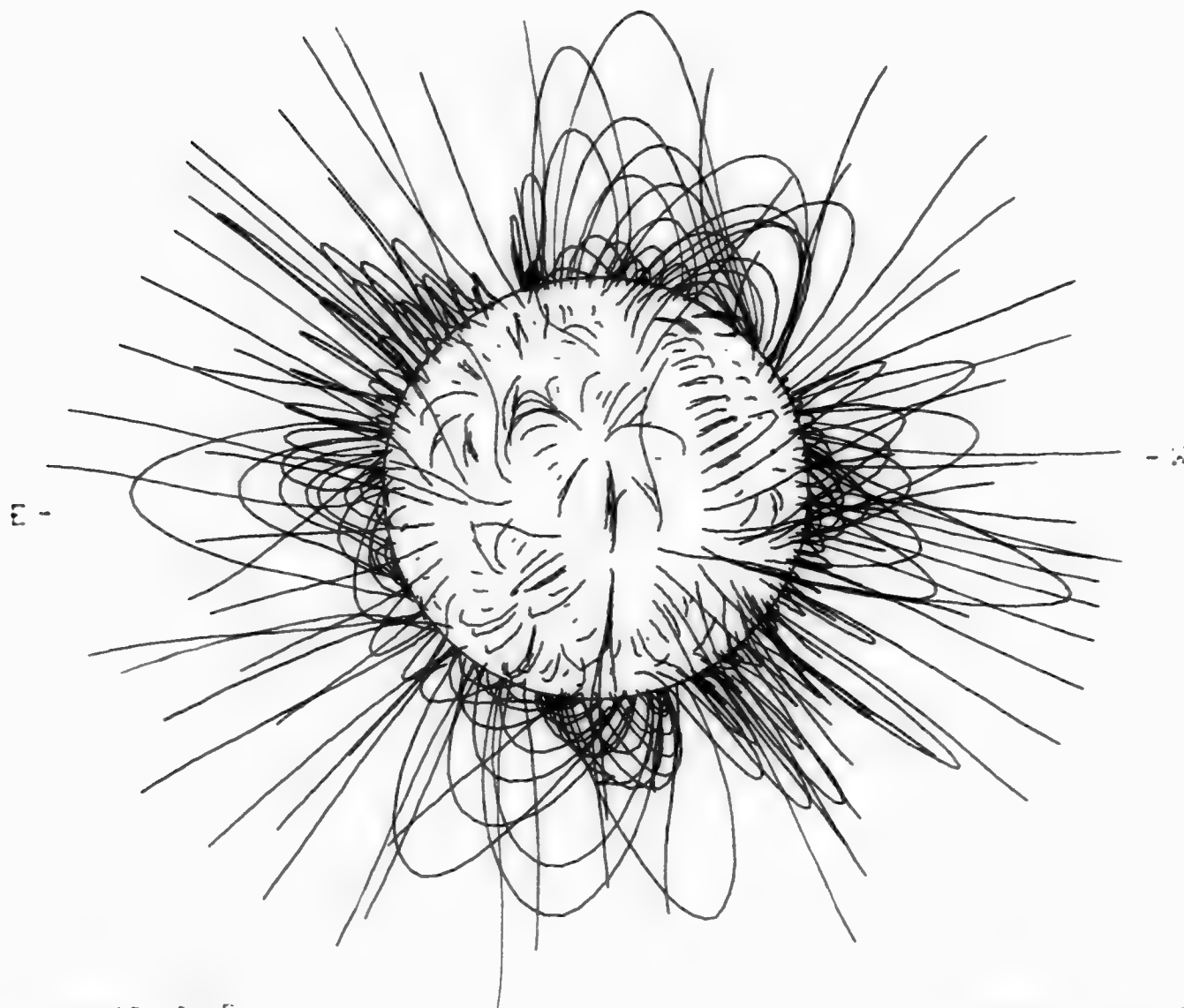
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
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 DATA WINDOW 1526.00

ROT. 1526 2013. 240°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

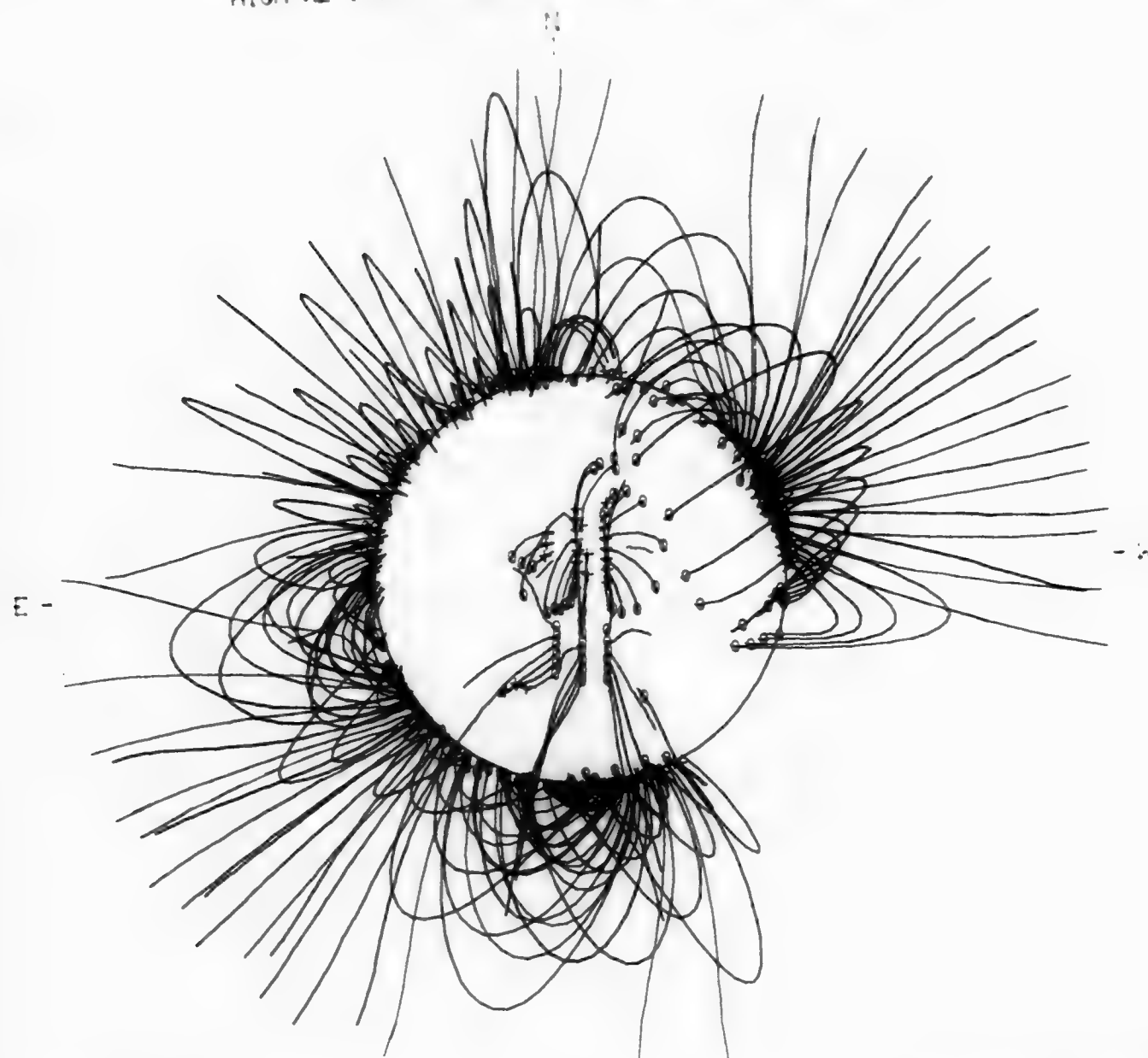


QUALITY FOUR
 RULES DIRECT
 DATA WINDOW 1526.00

S

RET. 1526 2113.231
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

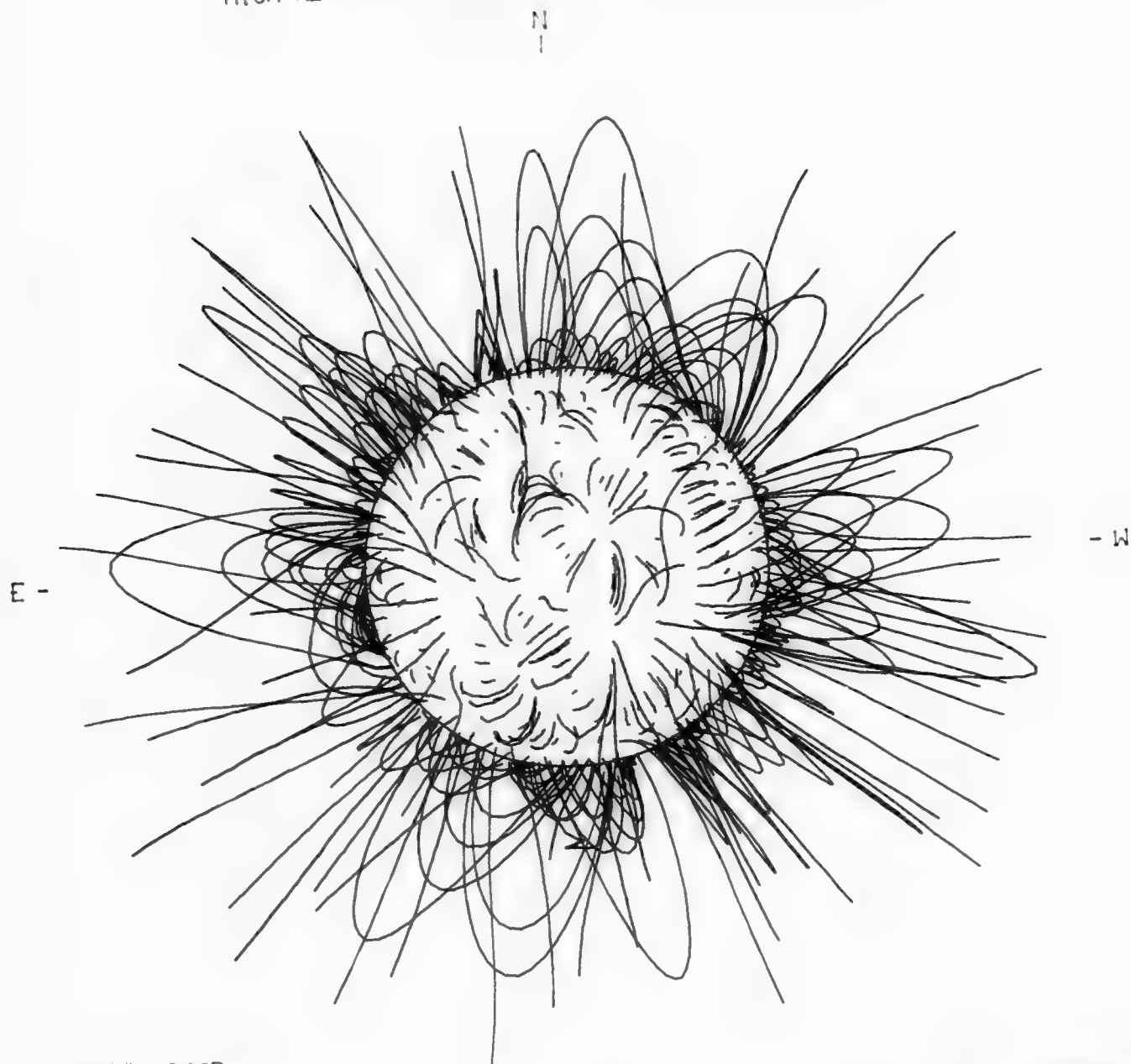
FILES DIRECT

DATA WINDOW 1525.00

S

REL. 1525 LONG. 231°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

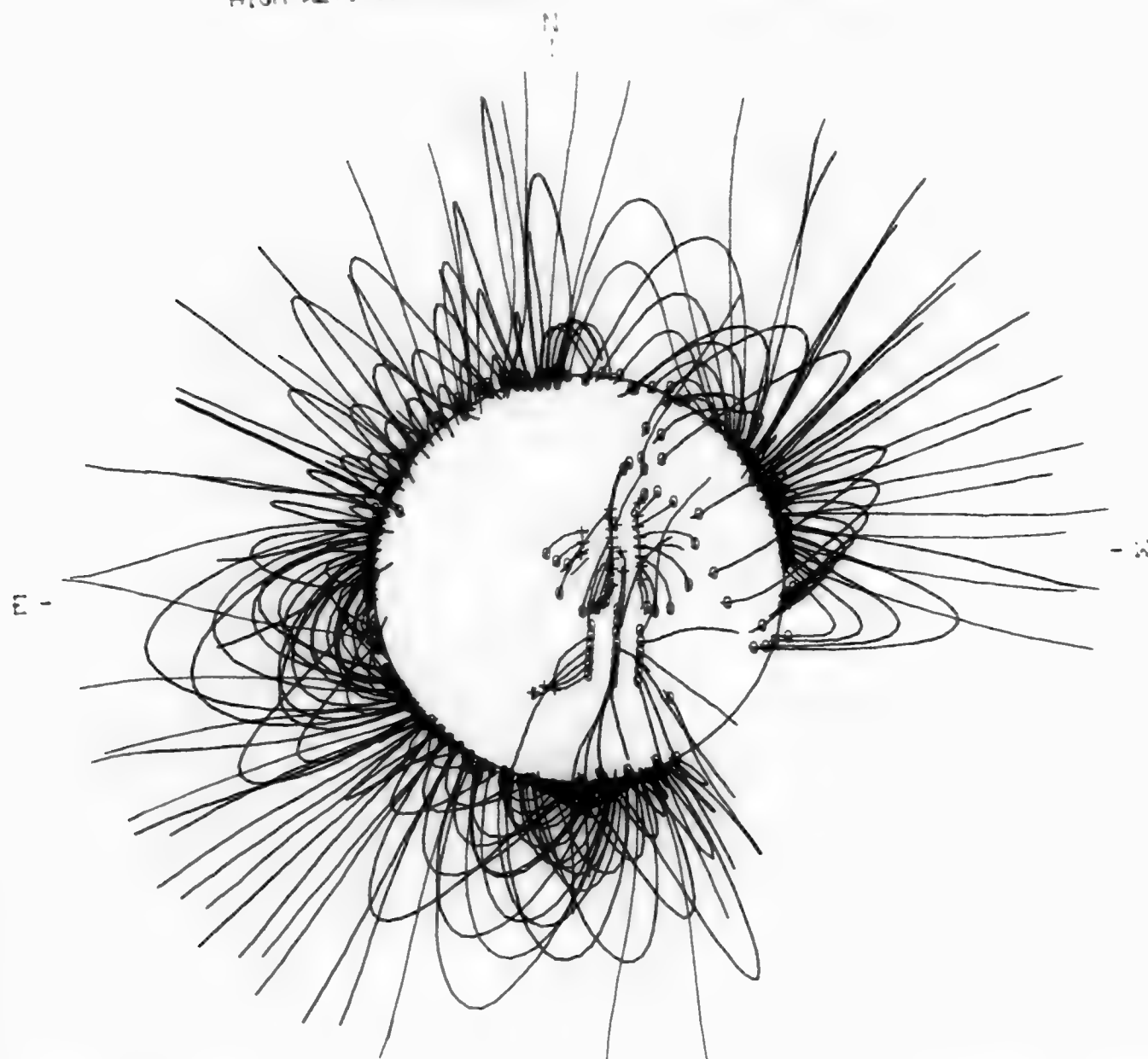


QUALITY POOR
POLES DIRECT
DATA WINDOW 1526.00

!
S

ROT. 1526 LONG. 220°
9.2 OCT 1967

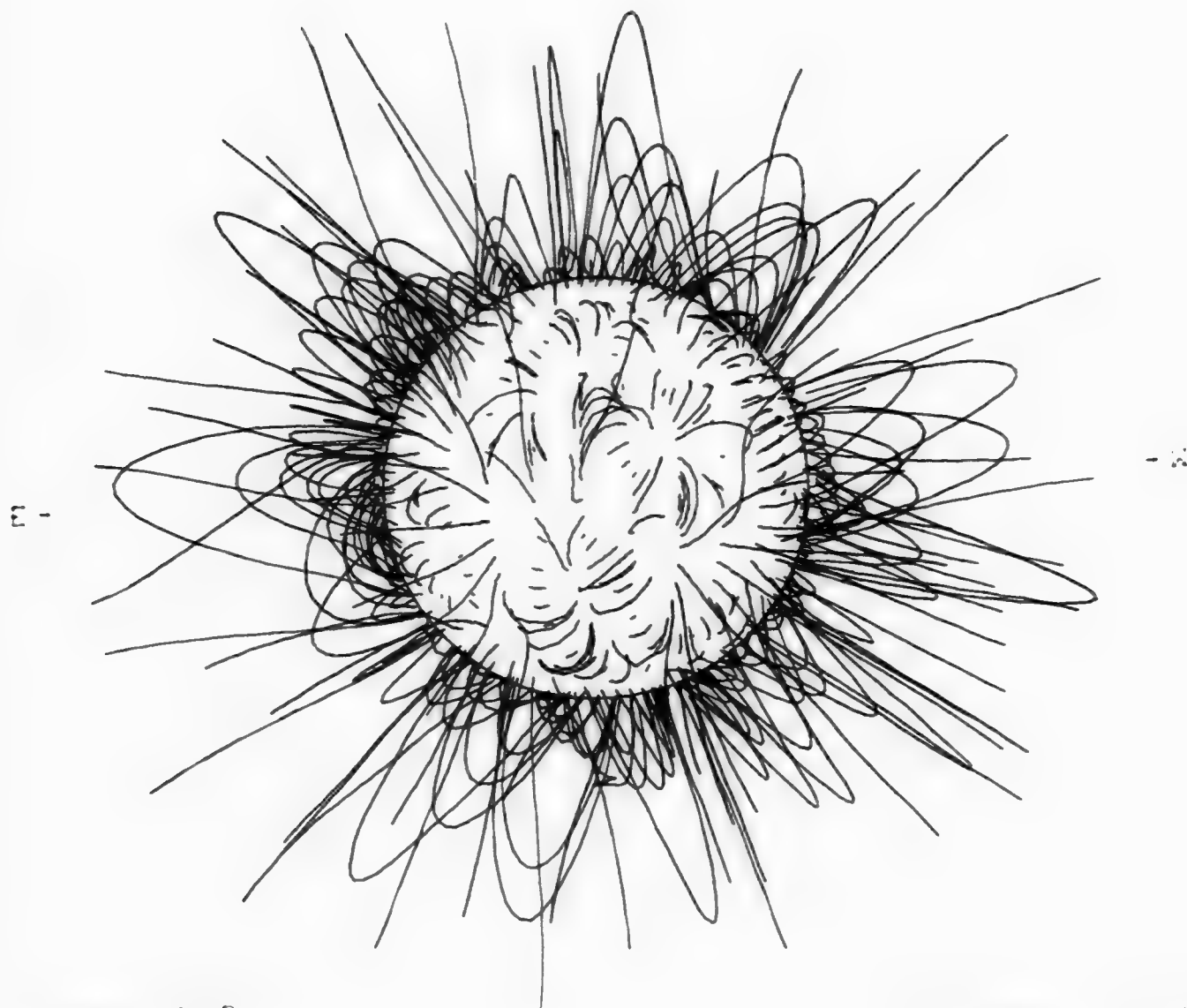
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1526.00

ROT. 1526 2013. 221°
S.2 107 1.47

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



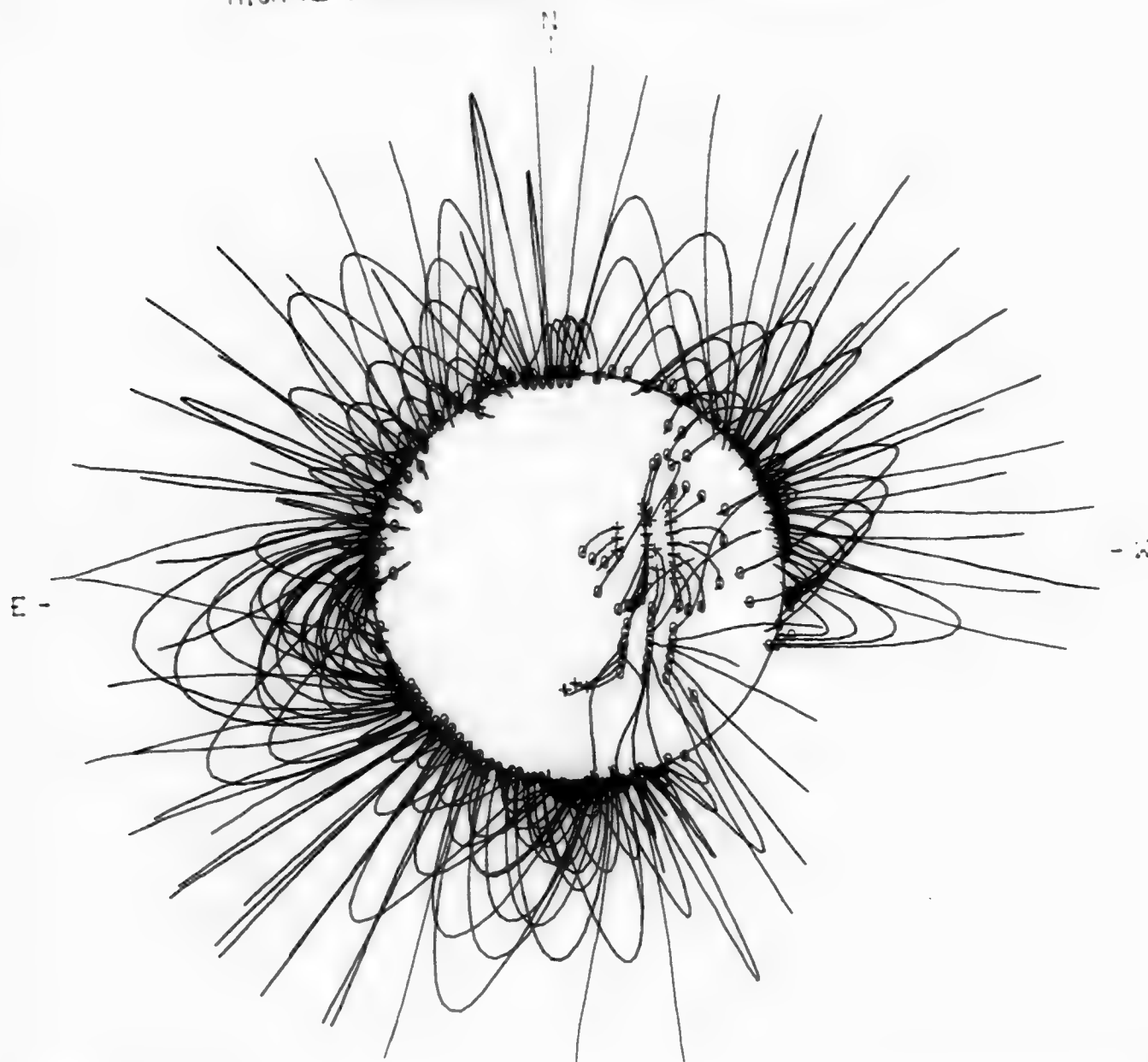
E -

SUNLIGHT FOUR
POLES DIRECT
DATA WINDOW 1526.00

S

ROT. 1526 2013. 211°
S. 9 107 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



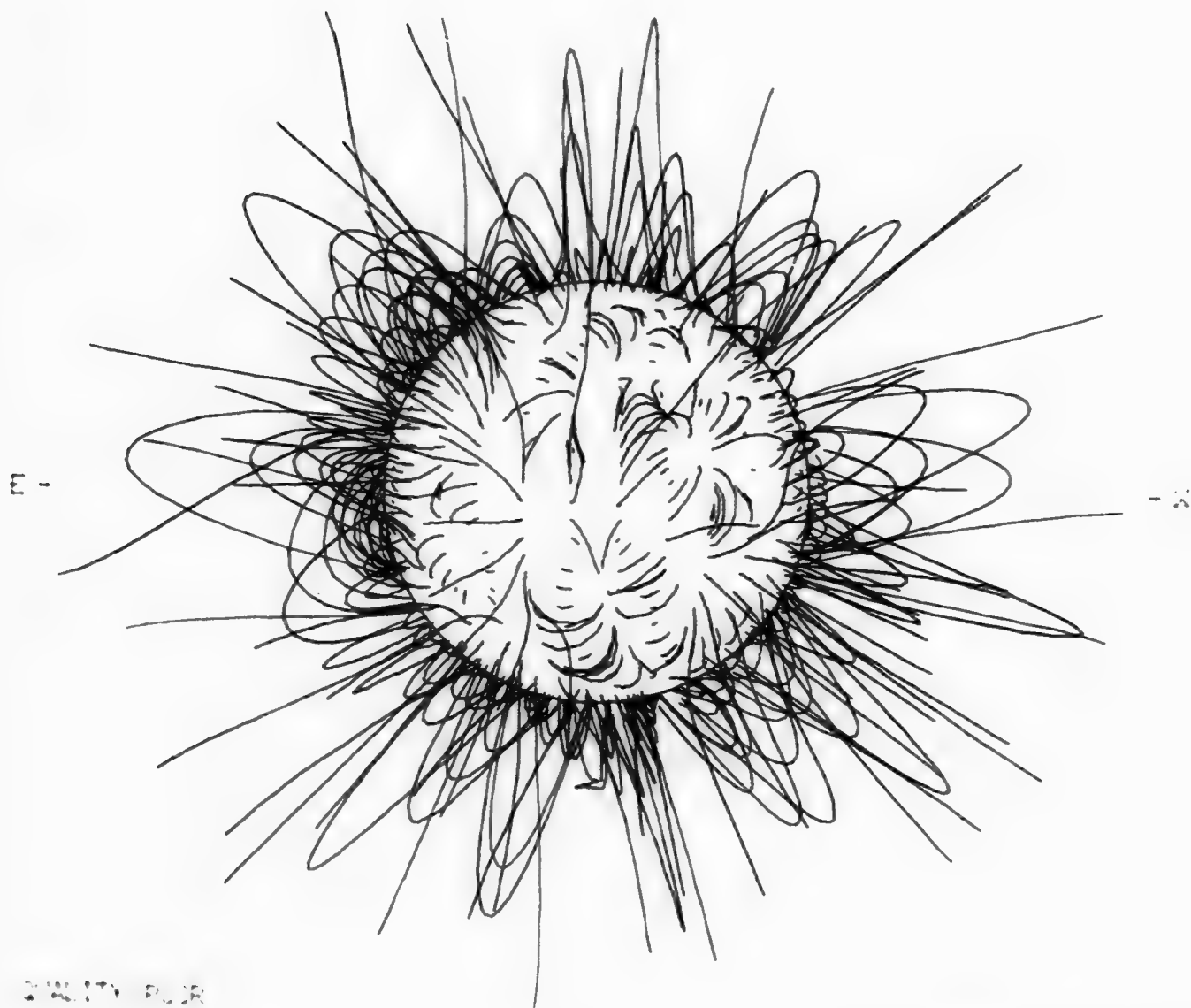
QUALITY POOR
POLES DIRECT
DATA WINDOW 1520.00

S

ROT. 526 LONG. 210°
9.9 OCT 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY POOR

POLES DIRECT

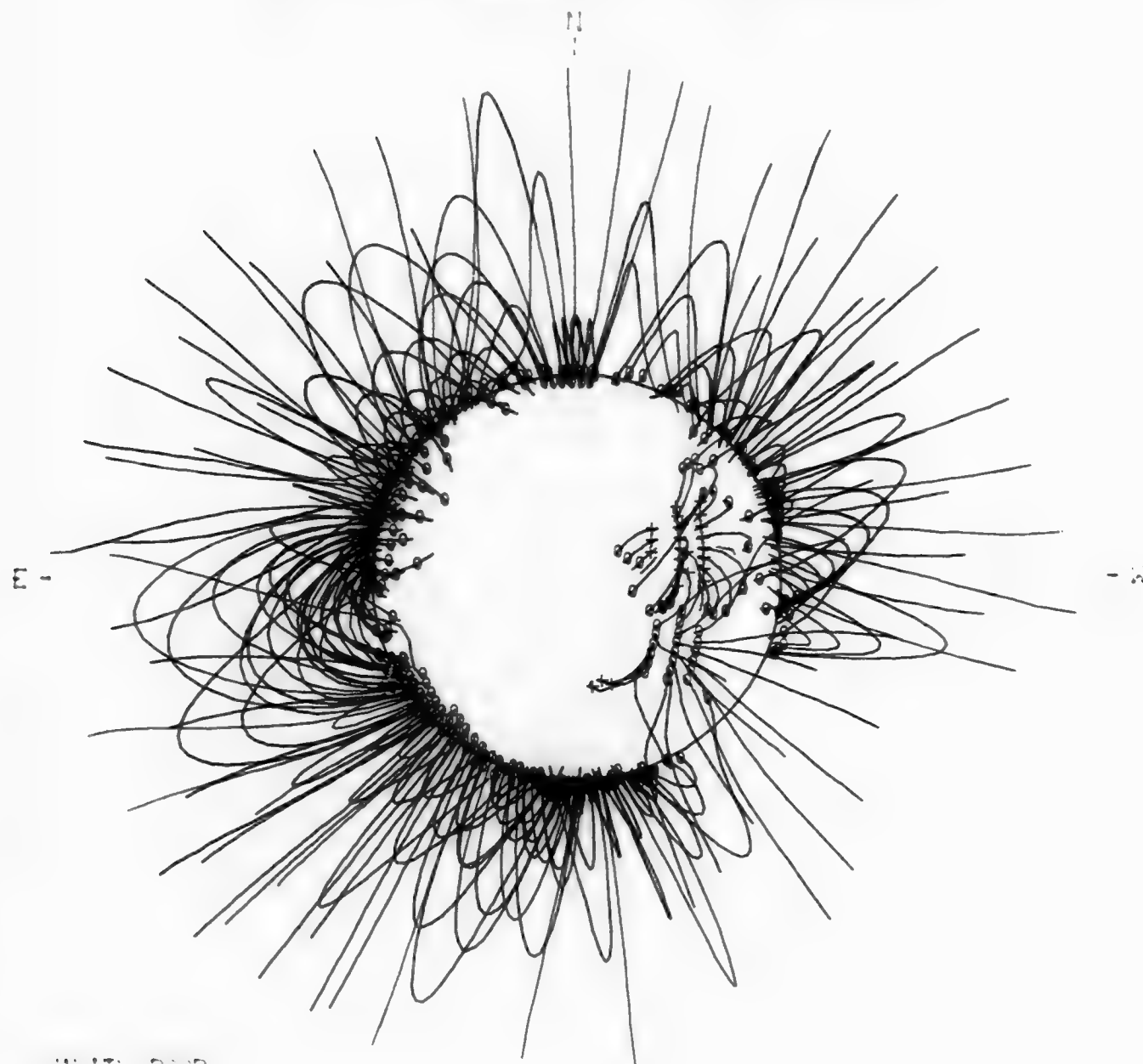
DATA WINDOW 1500.00

|
S

ROT. 1525 LONG. 211°

10.7 1.17 1987

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

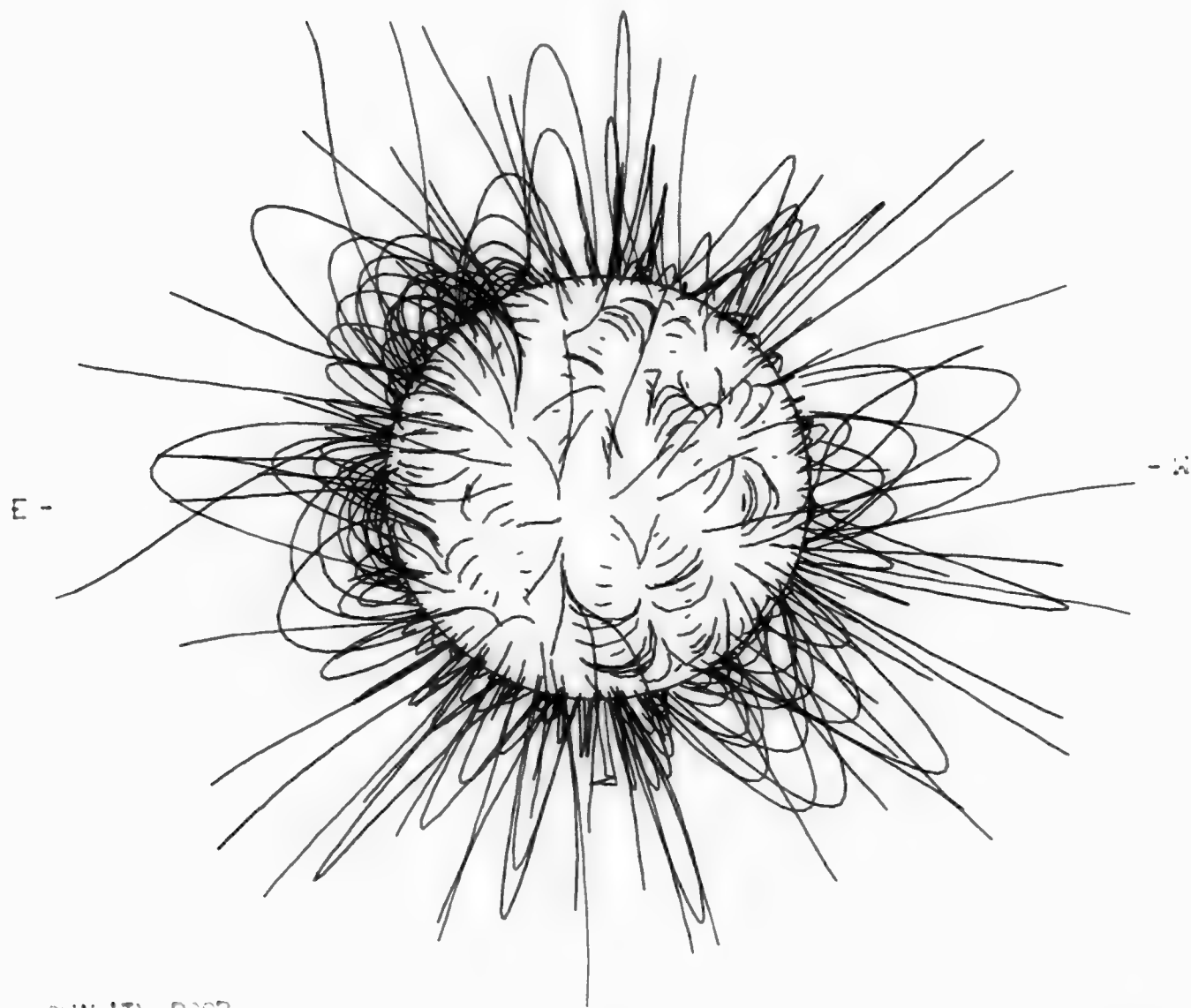
DATA WINDOW 1526.00

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RCT. 1526 LONG. 200°

10.7 10.7 10.7

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

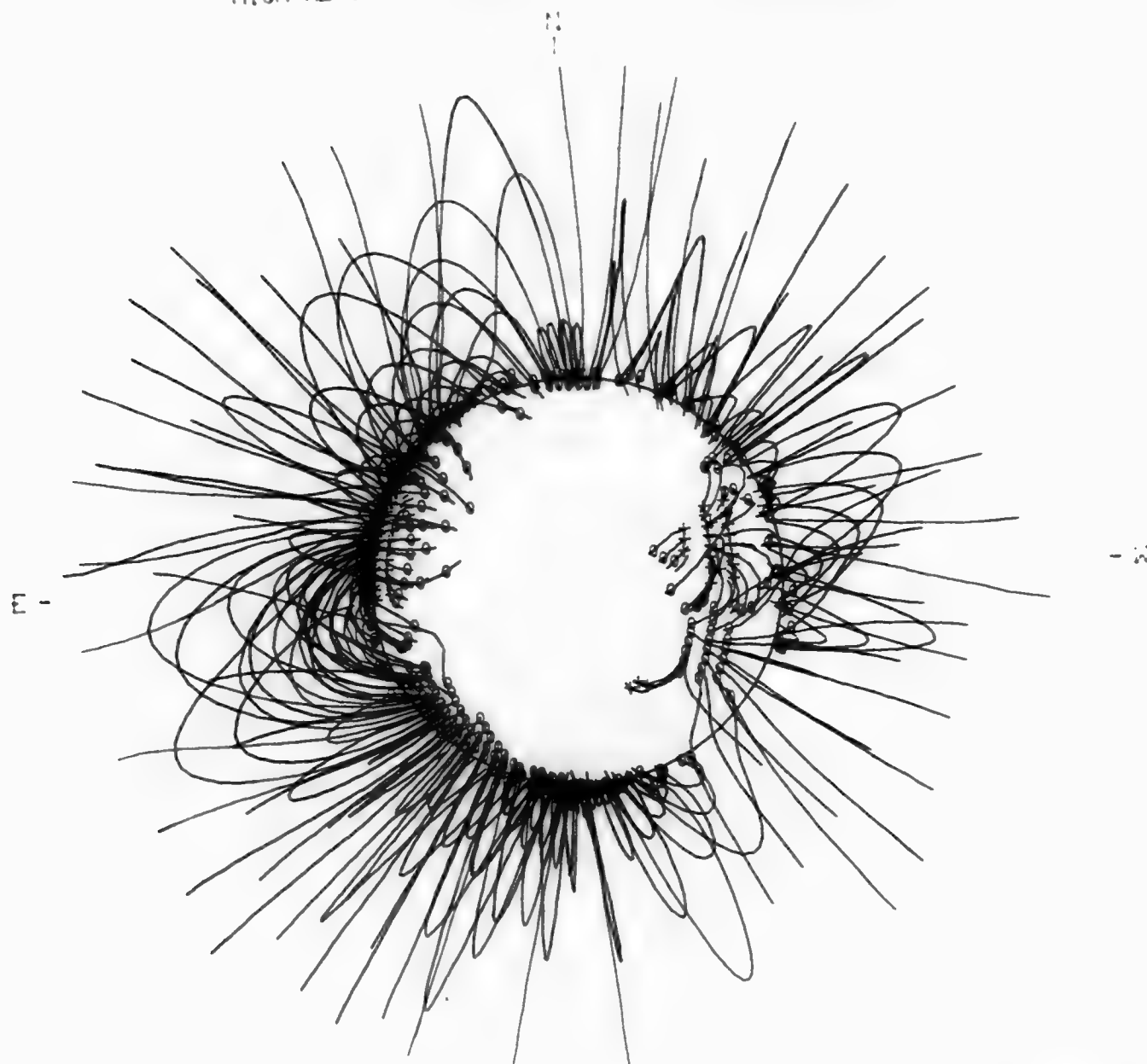
DATA WINDOW 1526.00

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RCT. 1525 LONG. 150°

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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



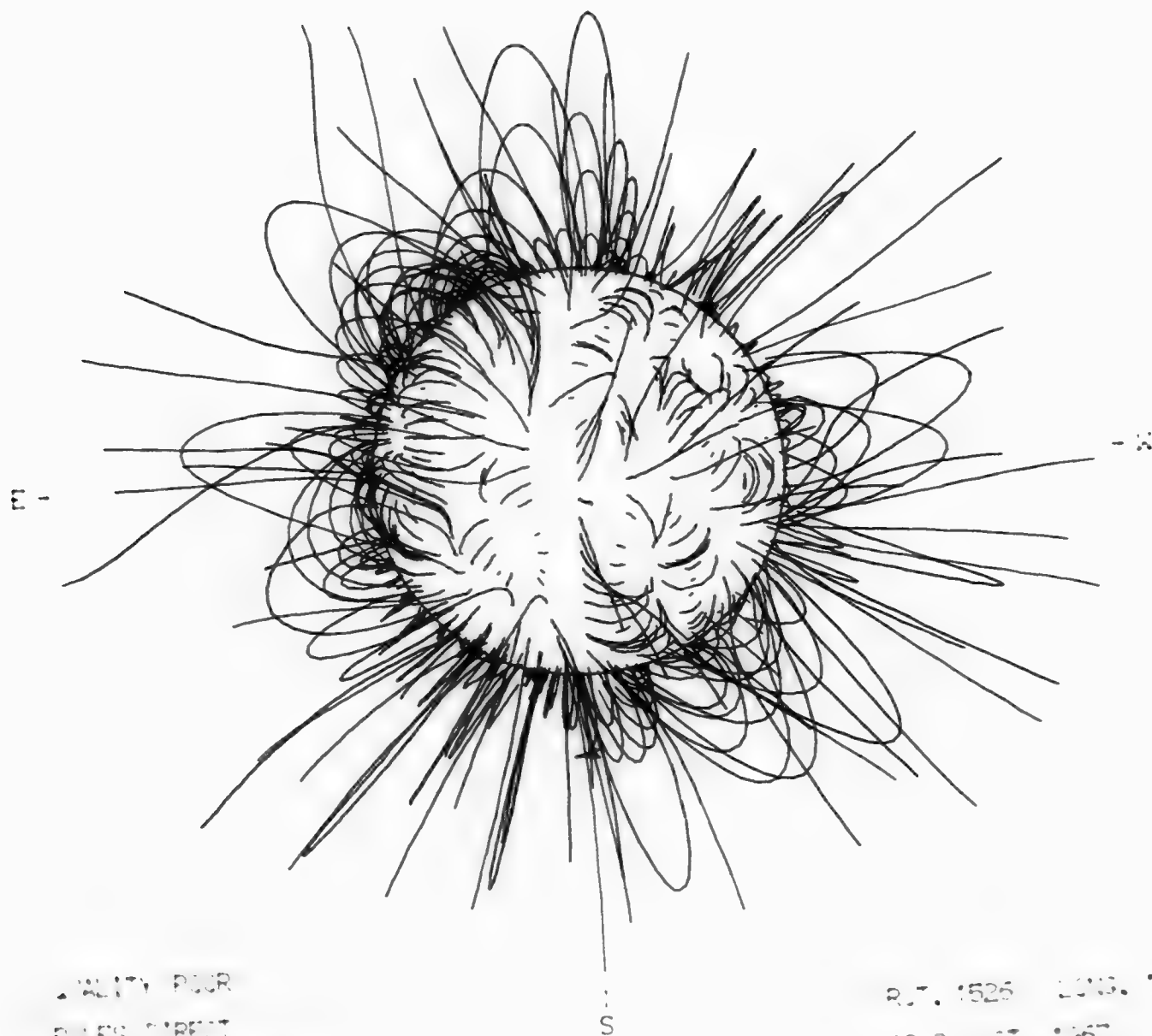
QUALITY POOR
POLES DIRECT
DATA AREA 1526.00

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ROT. 1526 2013. 190°
11.4 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

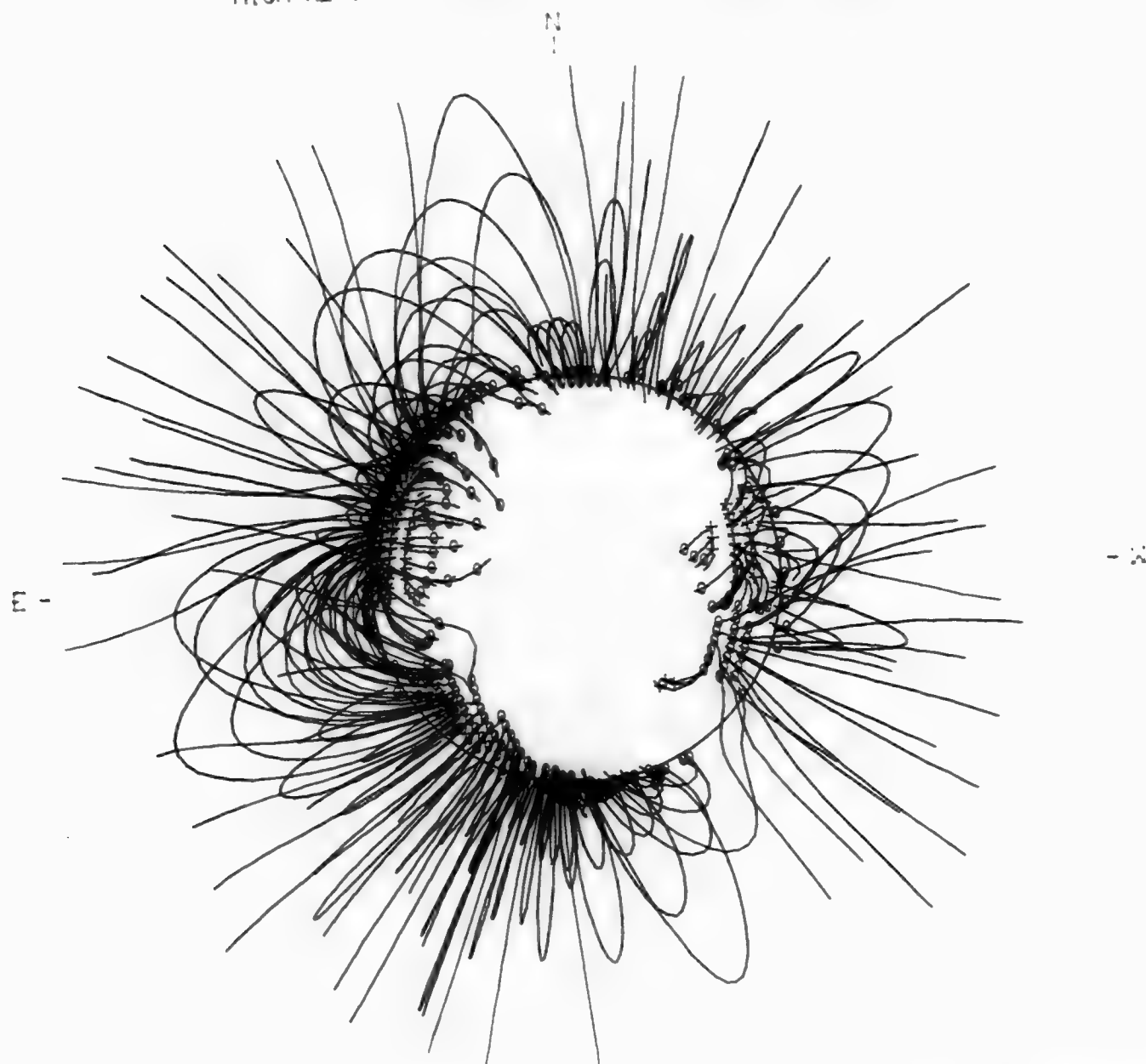
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QUALITY POOR
FILES DIRECT
DATA WIND IN 1525.00

R.T. 1525 LONG. 180°
12.2 107 1957

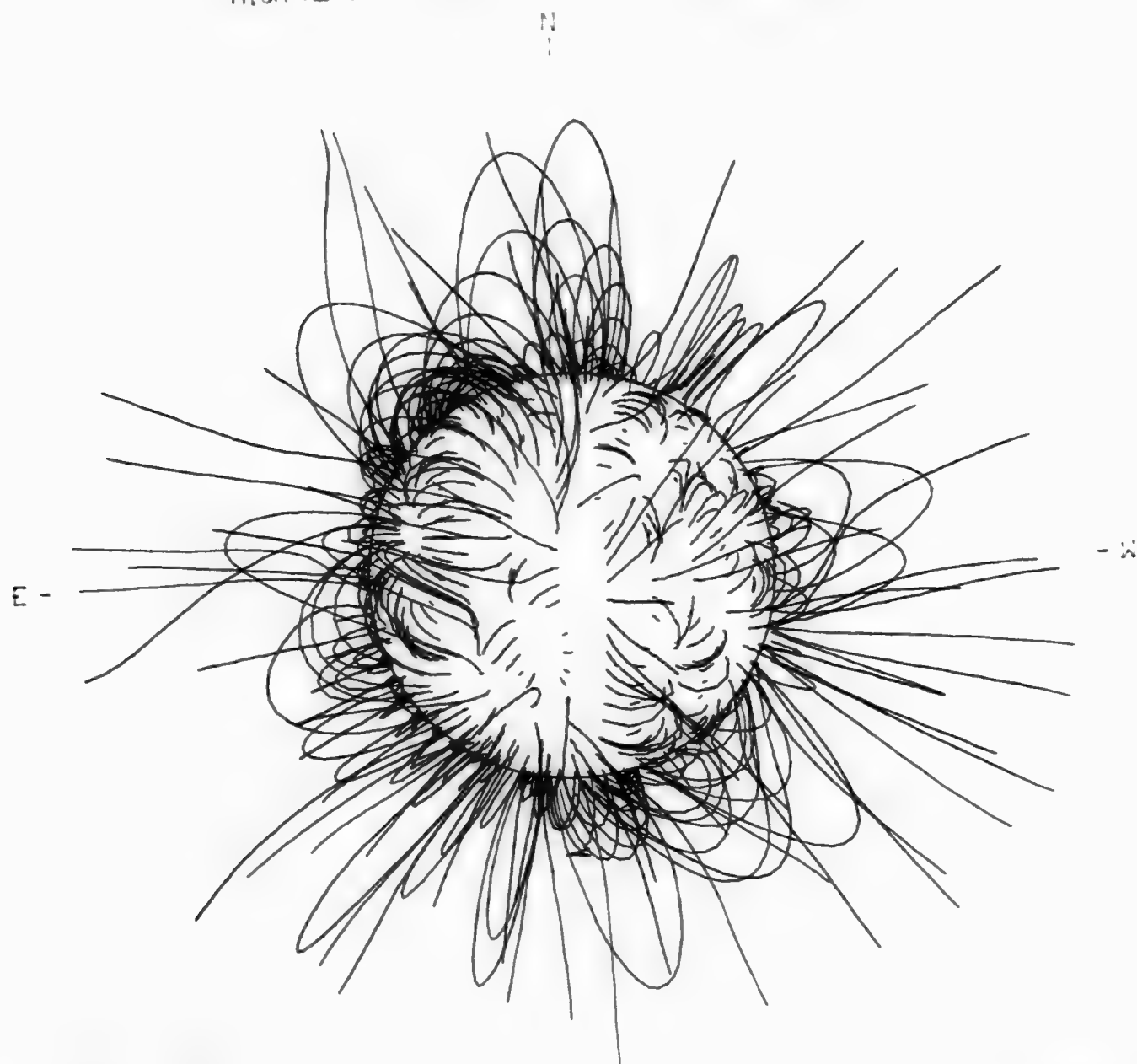
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
 POLES DIRECT
 DATA WINDOW 1526.00

ROT. 1526 1013. 181°
 12.2 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

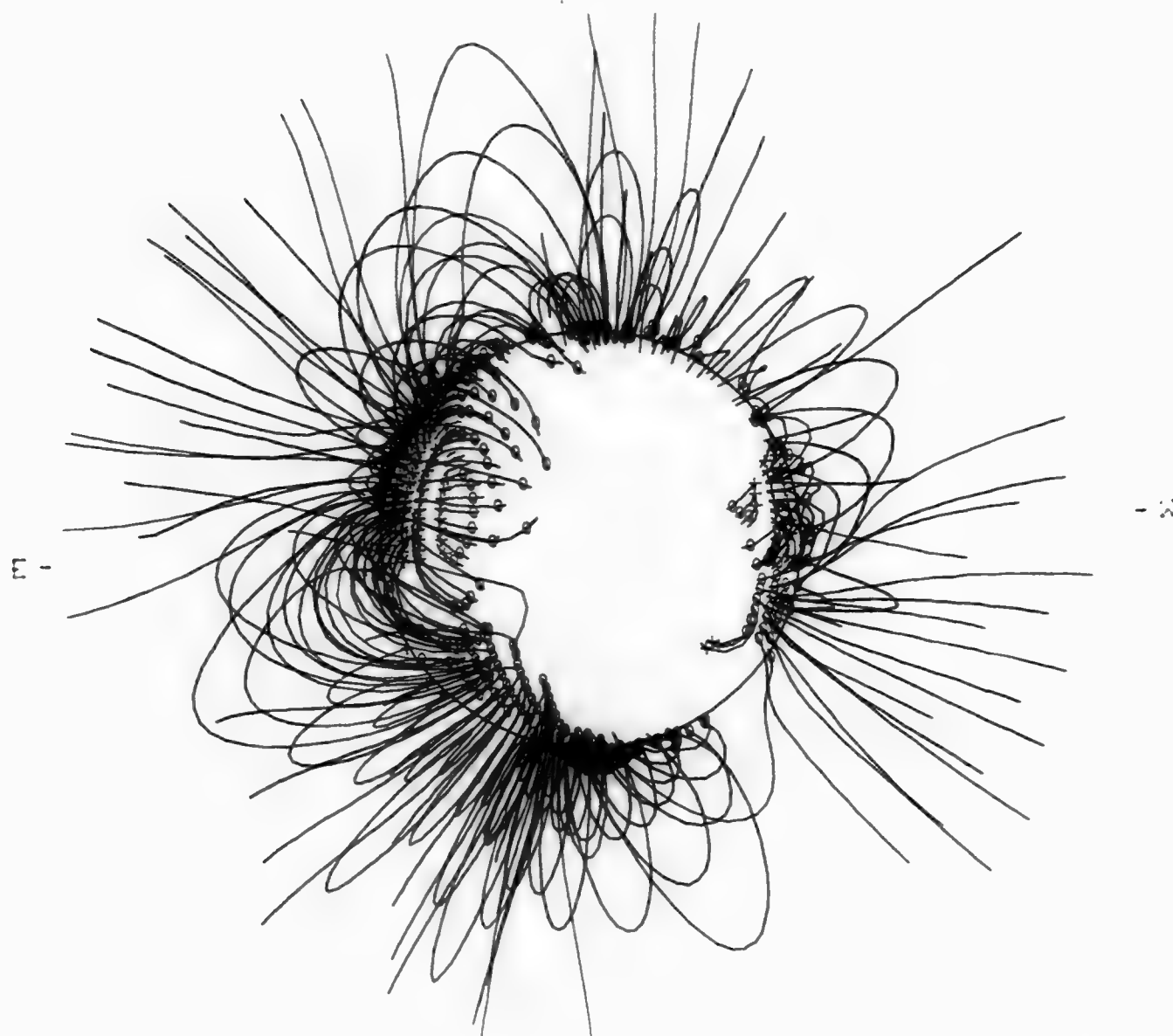
POLES DIRECT

DATA WINDOW 1526.00

S

RCT. 1526 LONG. 170°
13.0 100 1967

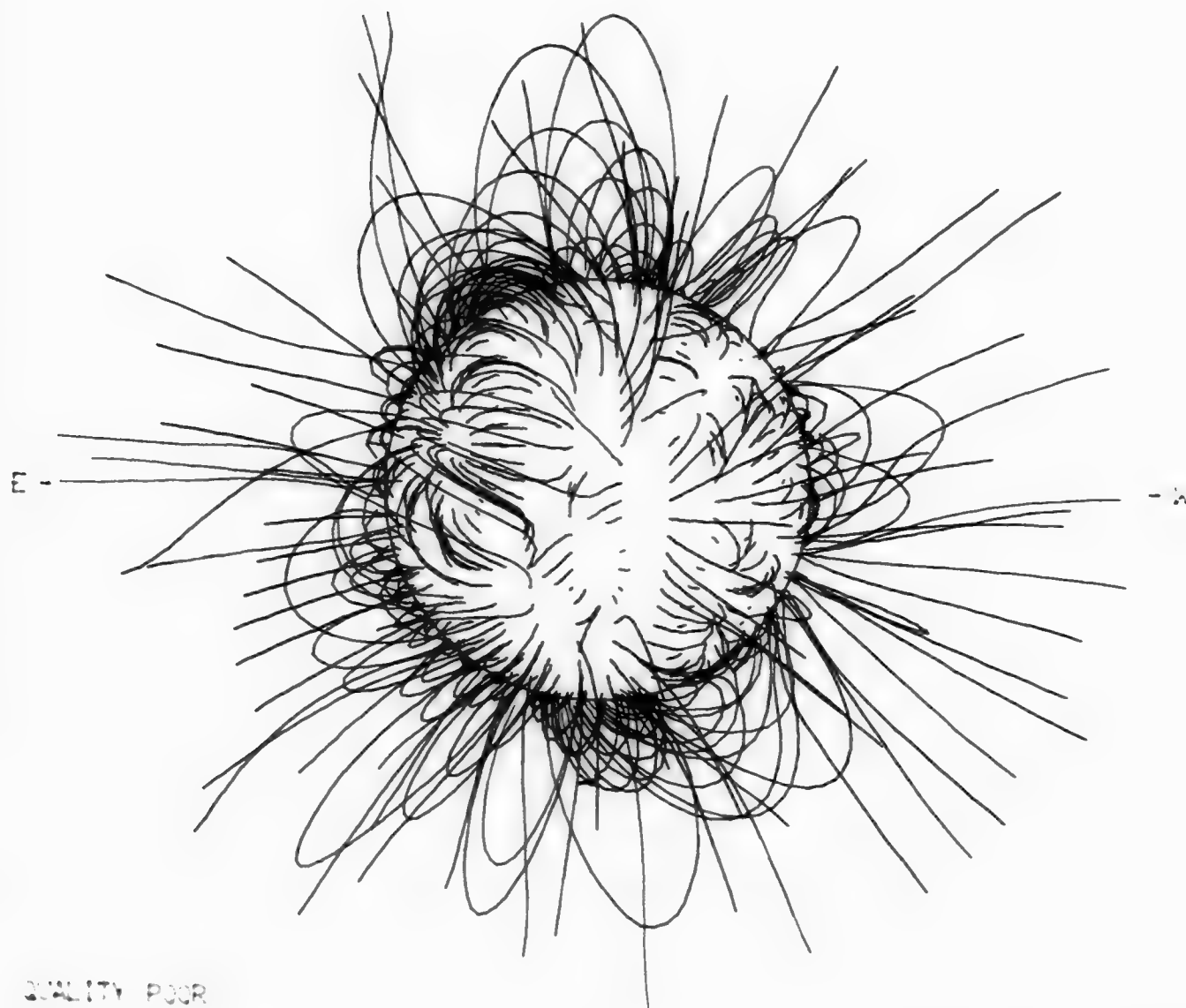
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1526.00

ROT. 1526 2013. 170°
13.0 007 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

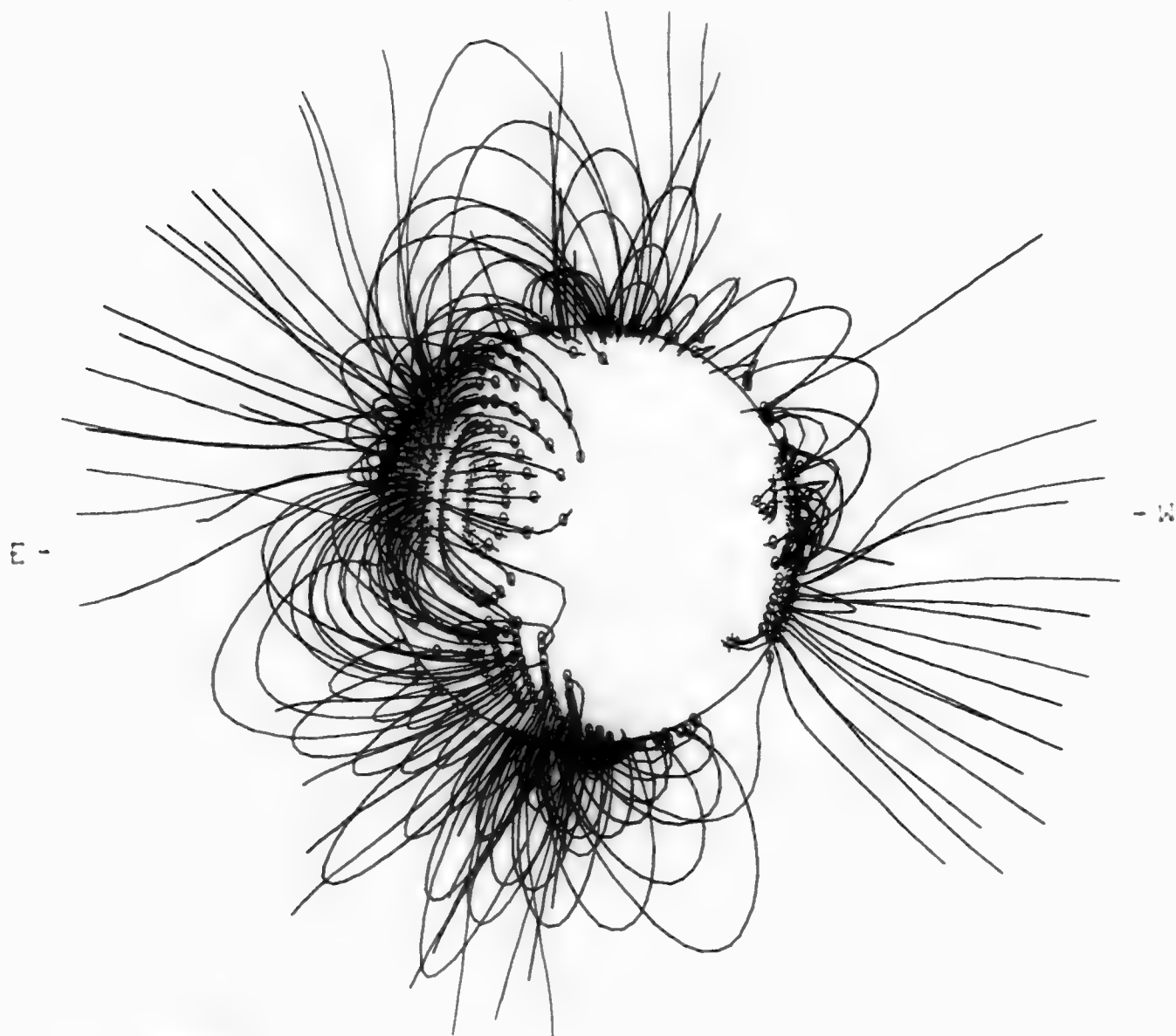
DATA WINDOW 1500.00

S

ROT. 1526 LONG. 140°

13.7 117 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

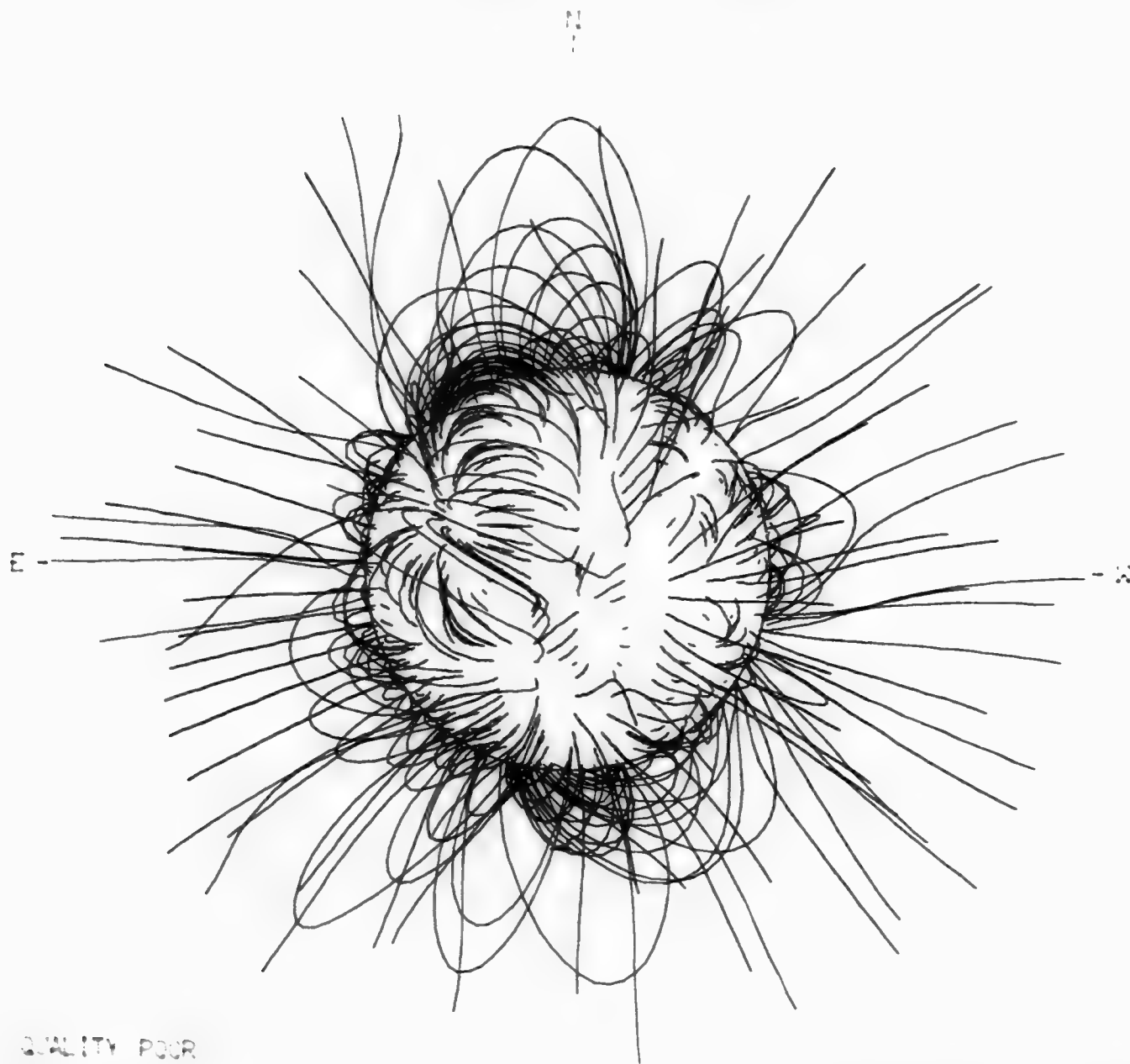


QUALITY POOR
FILES DIRECT
DATA WINDOW 1526.00

S

ROT. 1526 LONG. 151°
13.7 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

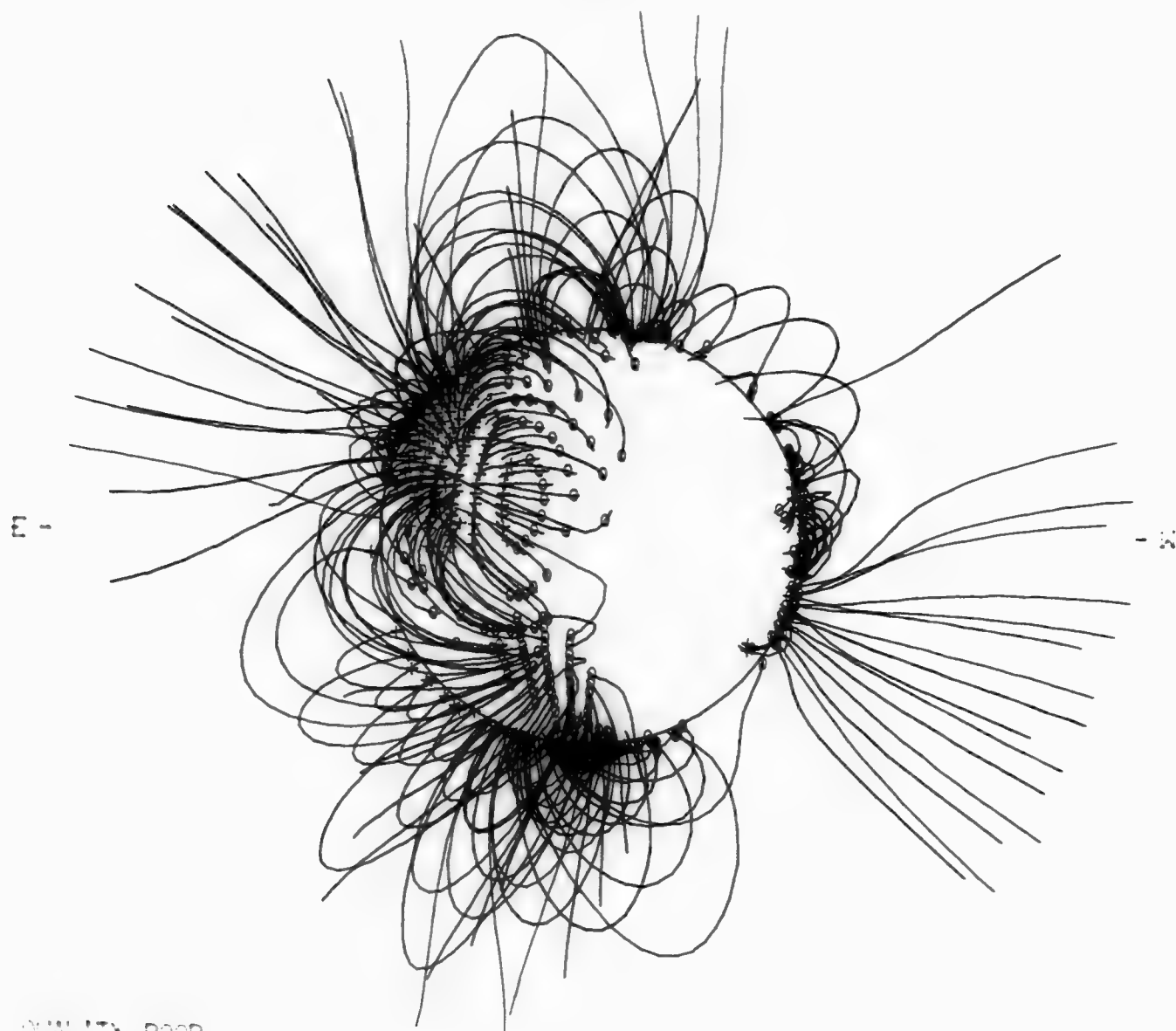
DATA WINDOW 1500.00

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ROT. 1525 LONG. 151°

14.5 107 1.07

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

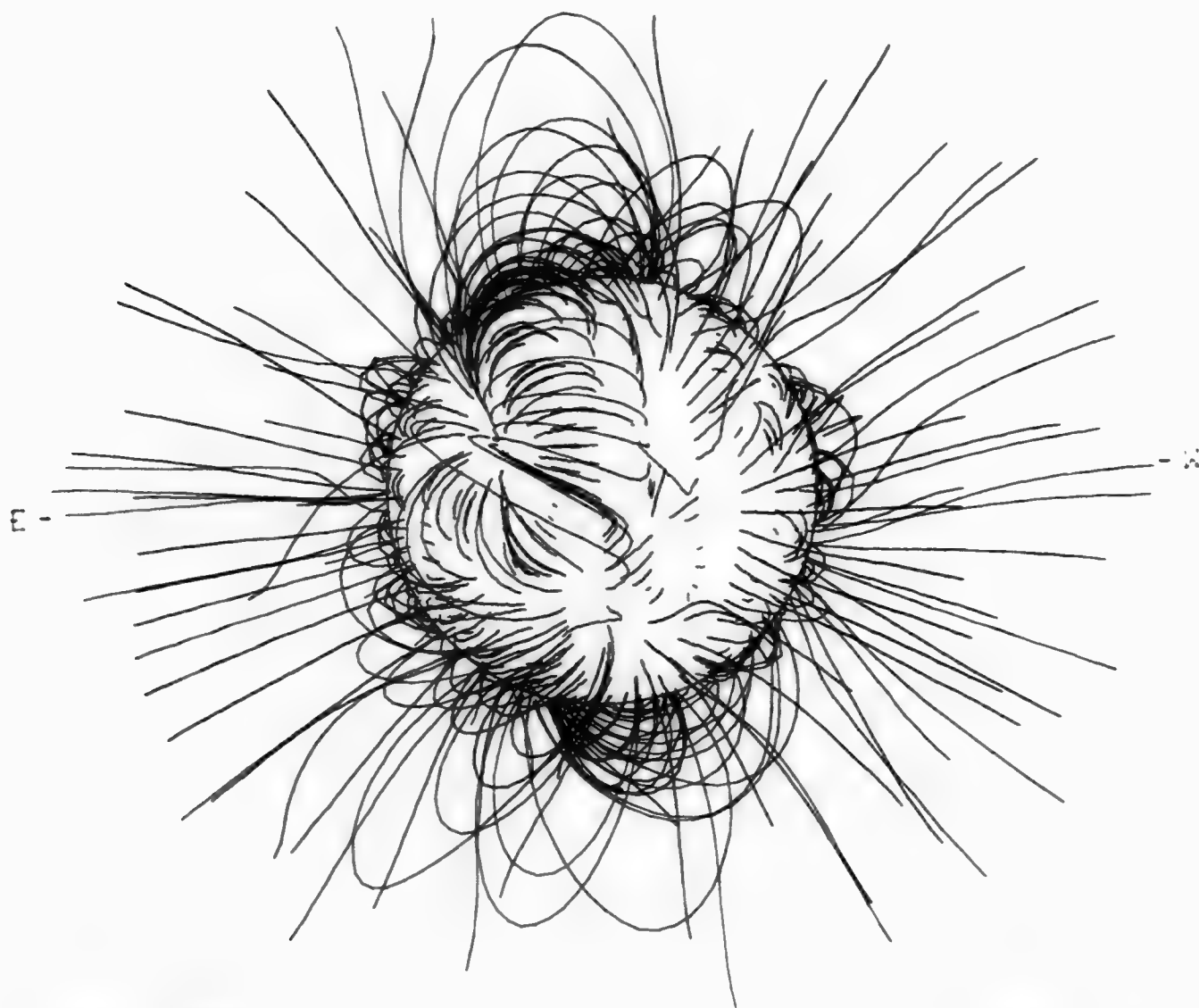
POLES DIRECT

DATA WINDOW 1526.00

ROT. 1526 LONG. 151°

14.5 OCT 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

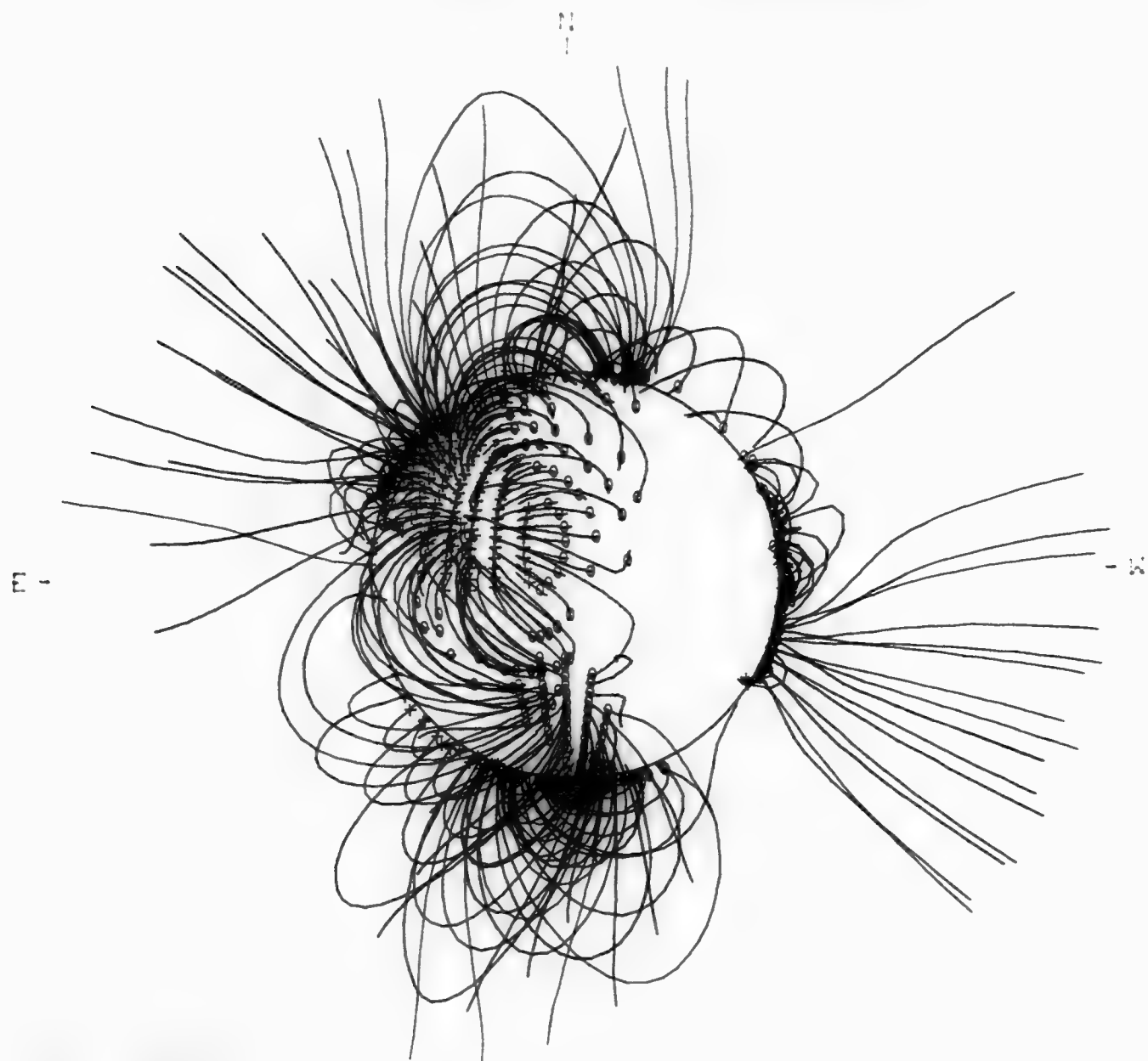


QUALITY FOUR
POLES DIRECT
DATA WINDOW 1526.00

S

RCT. 1526 1513. 1510
15.2 151 1510

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

POLES DIRECT

DATA WINDOW 1526.00

S

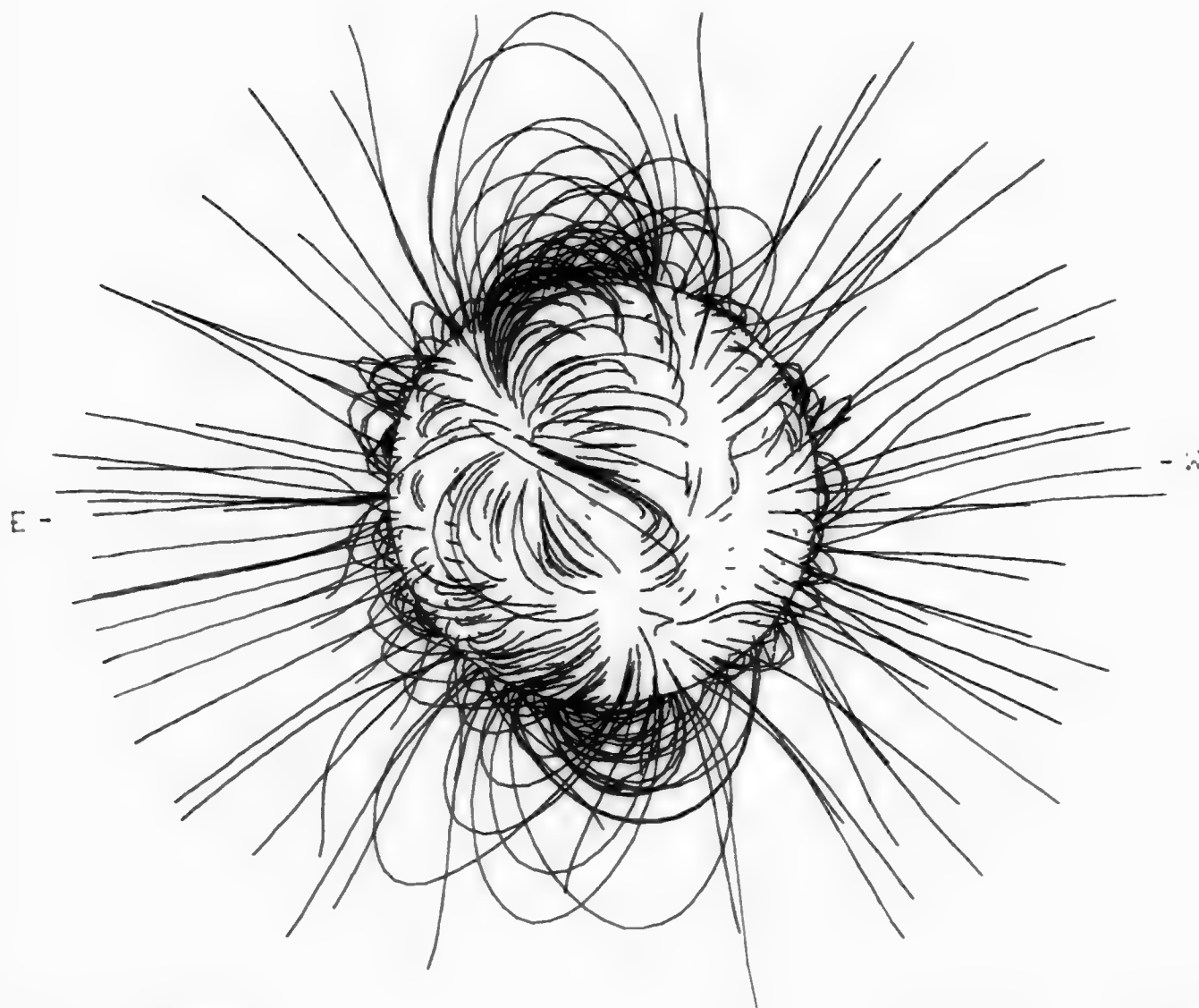
ROT. 1526

LONG. 141°

15.2 107

1267

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

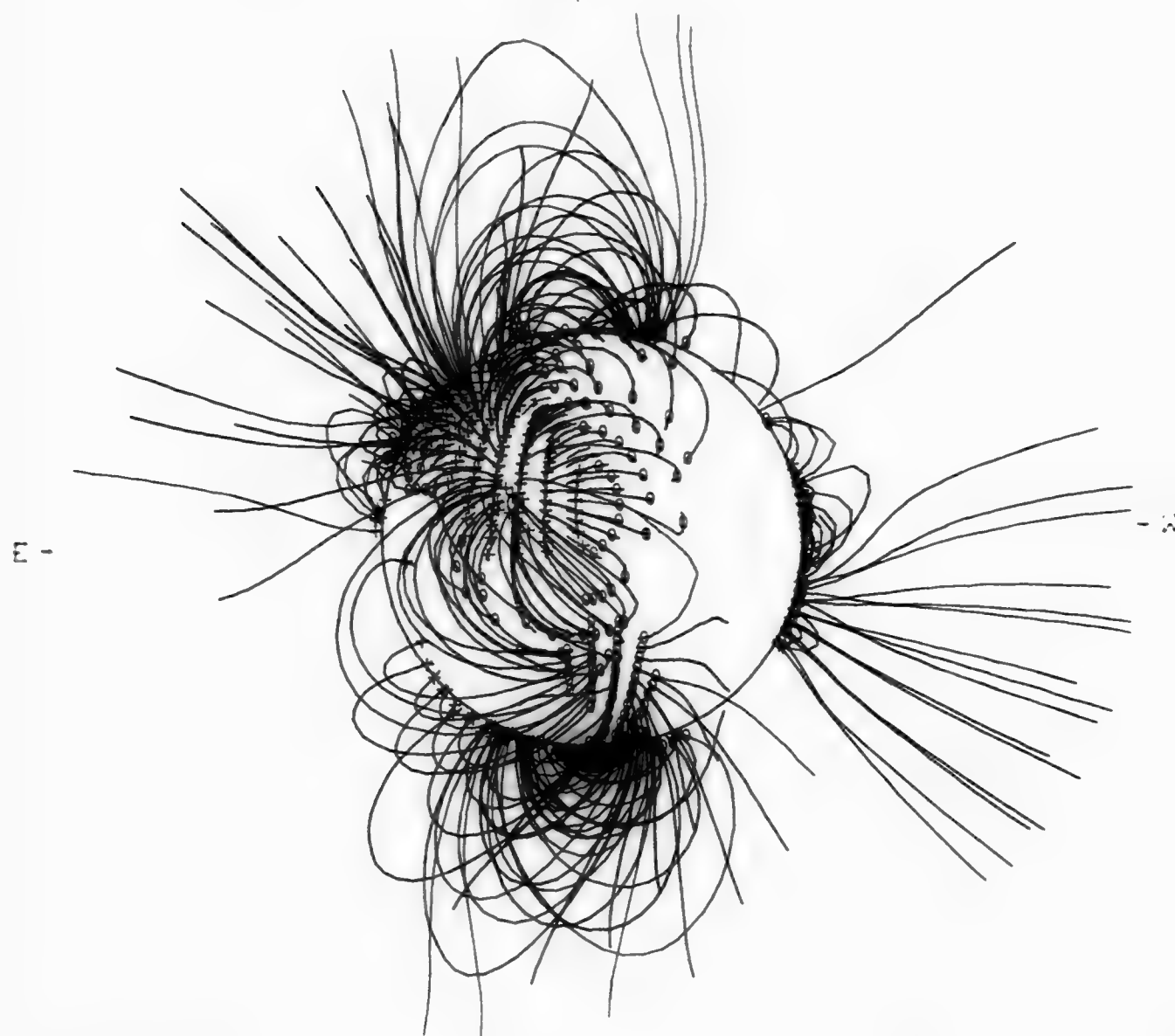


QUALITY FOUR
 RULES DIRECT
 DATA MINIMUM 1500.00

S

RET. 1525 LONG. 151°
 15.0 17 1957

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

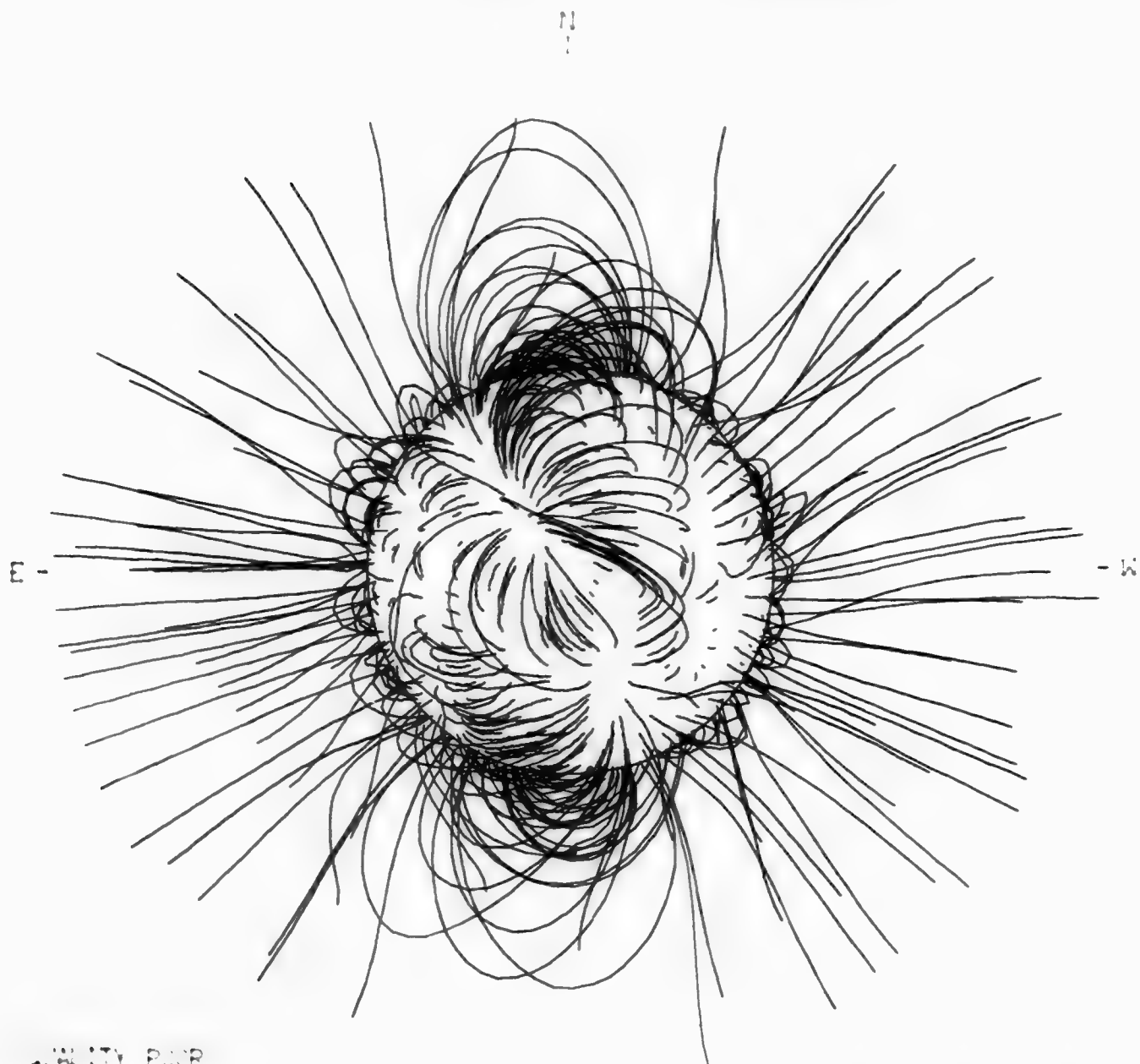


QUALITY POOR
 POLES DIRECT
 DATA WINDOW 1526.00

S

ROT. 1526 LONG. 130°
 16.0 OCT 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

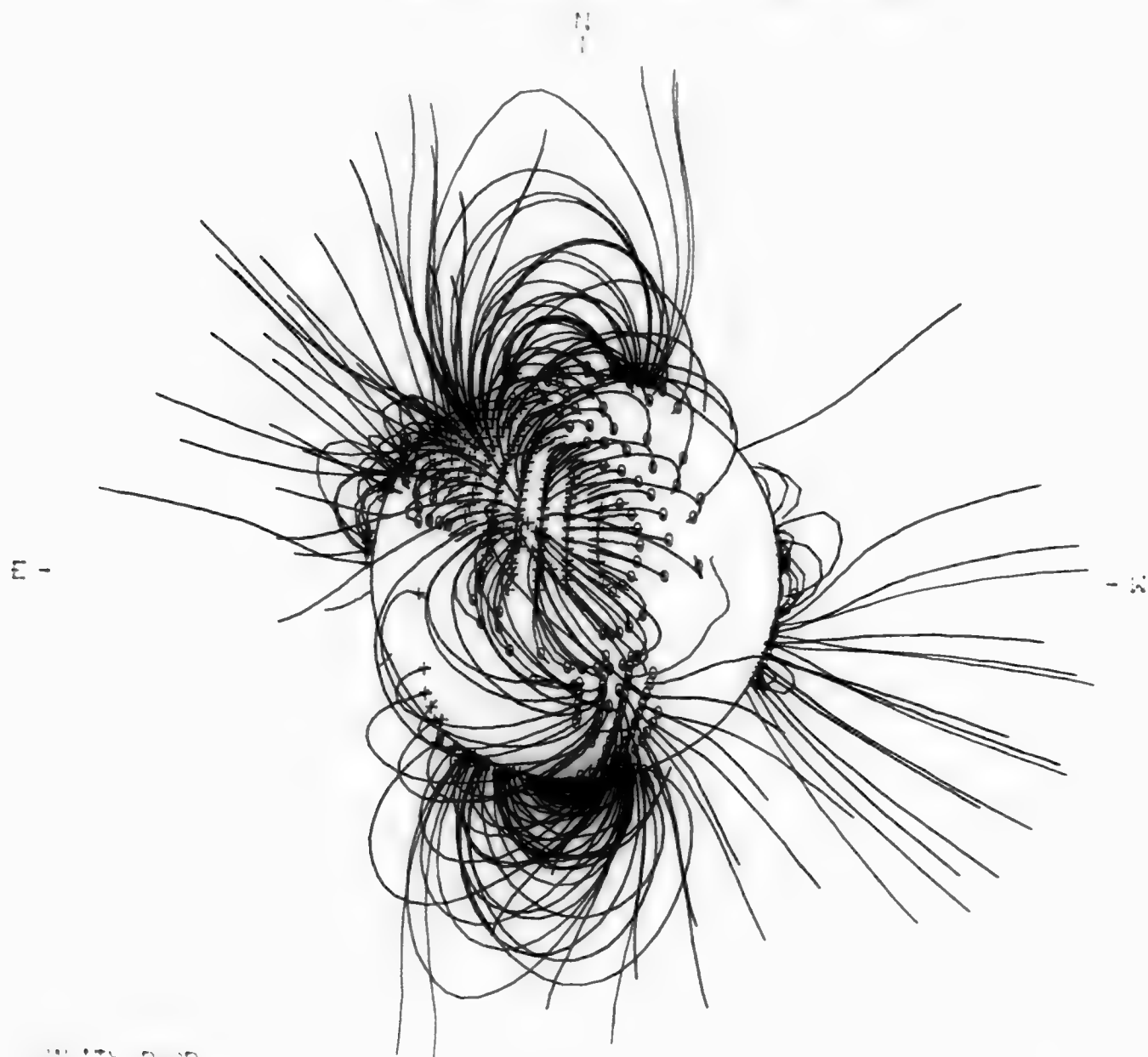
DATA WINDOW 1526.00

S

ROT. 1526 LONG. 101°

16.7 007 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

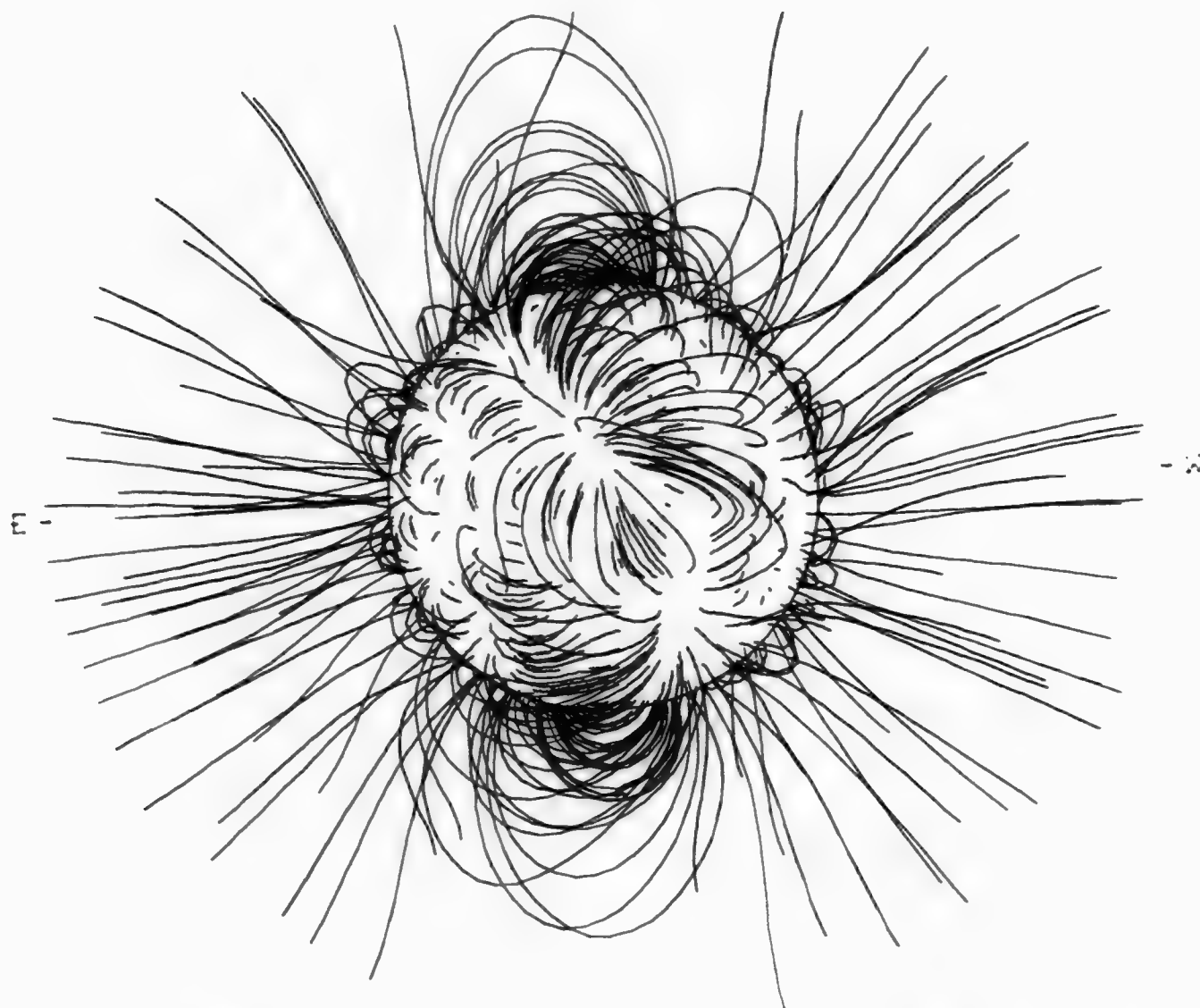
DATA WINDOW 1525.00

S

ROT. 1525 LONG. 120°

16.7 OCT 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

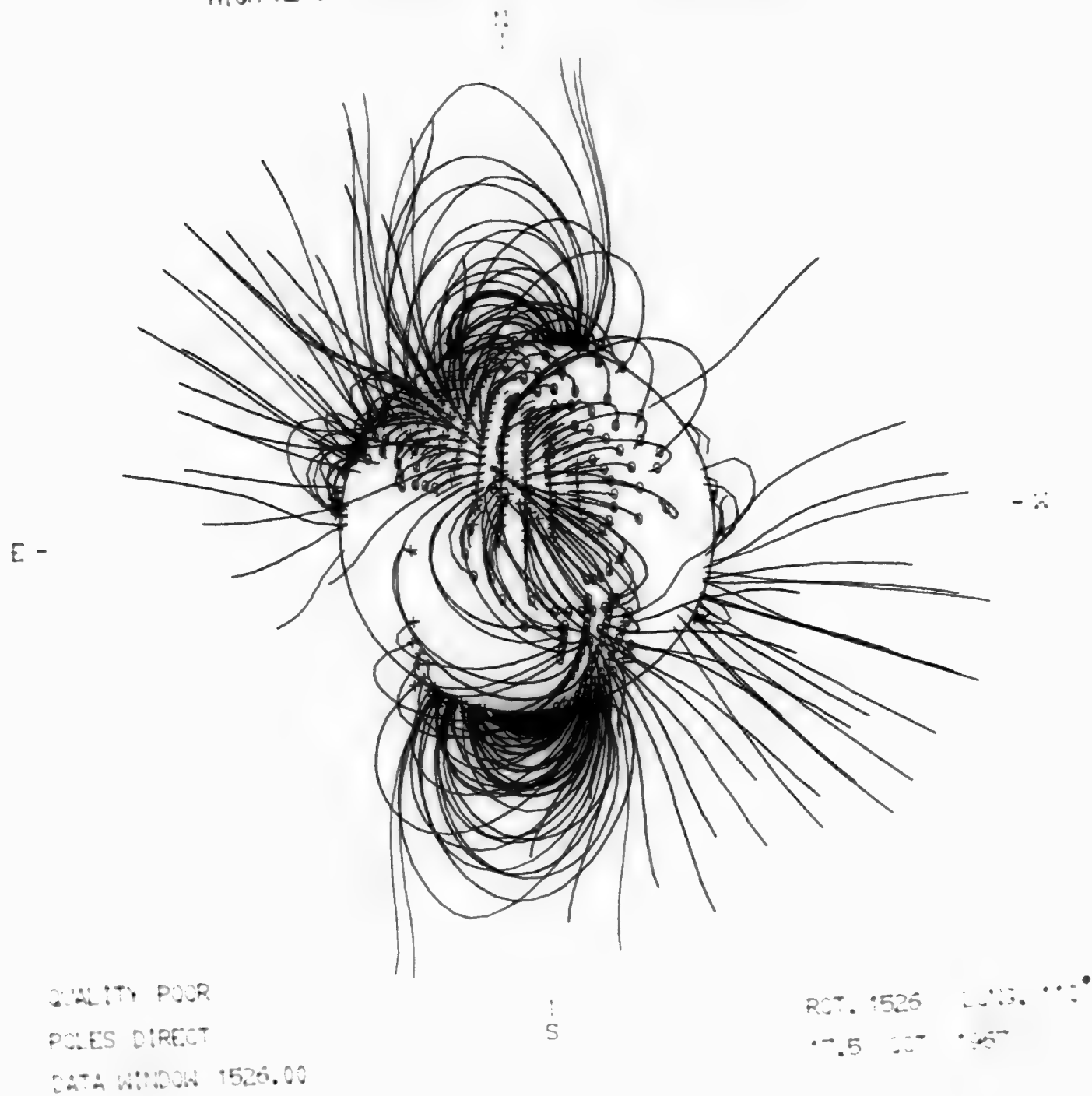


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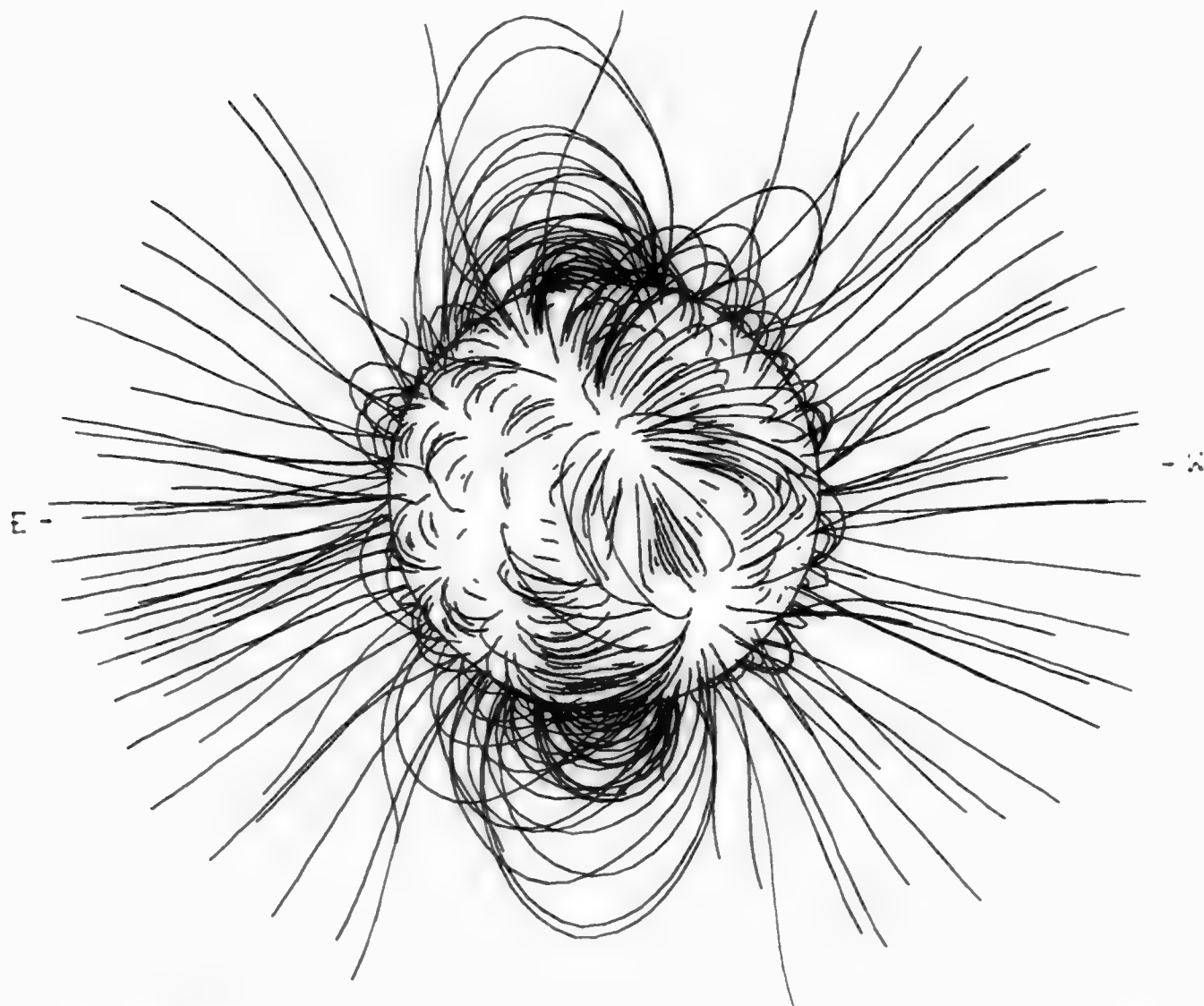
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ROT. 1526 1113. 111
 17.5 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

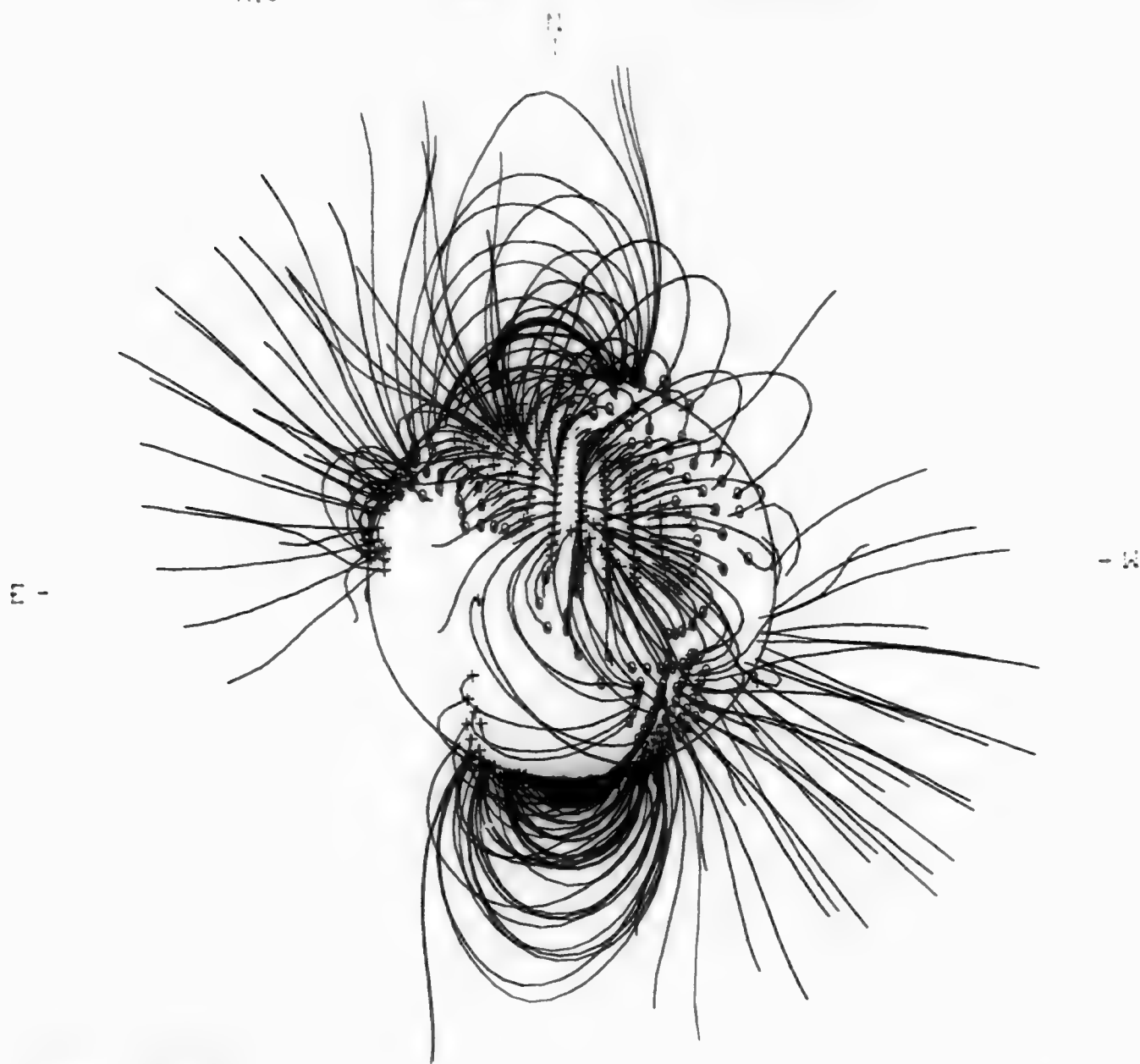


QUALITY POOR
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DATA WINDOW 1526.00

S

ROT. 1526 LONG. 100°
18.3 OCT 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

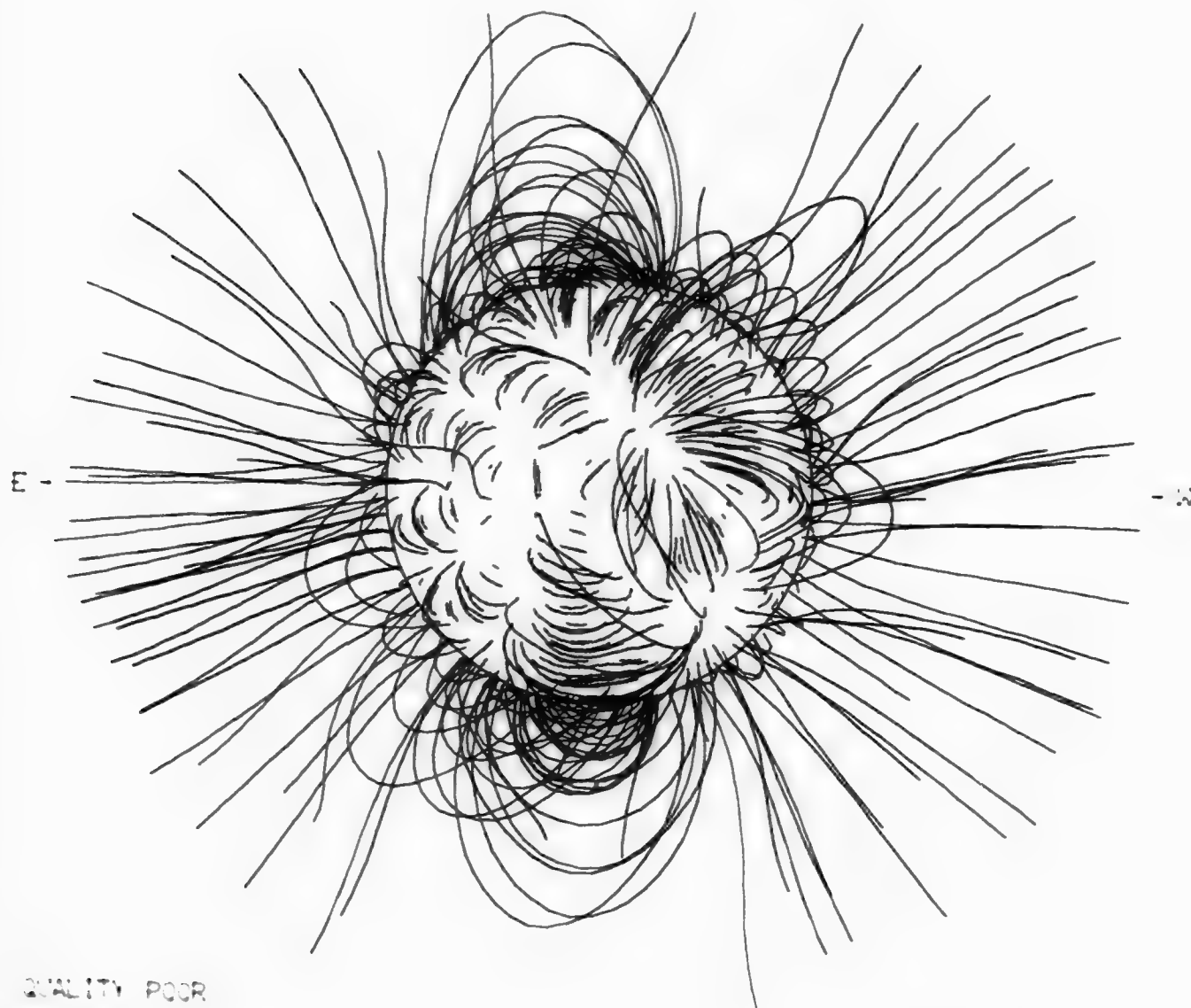


QUALITY POOR
POLES DIRECT
DATA WINDOW 1526.00

S

ROT. 1526 2013. 100°
18.3 107 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

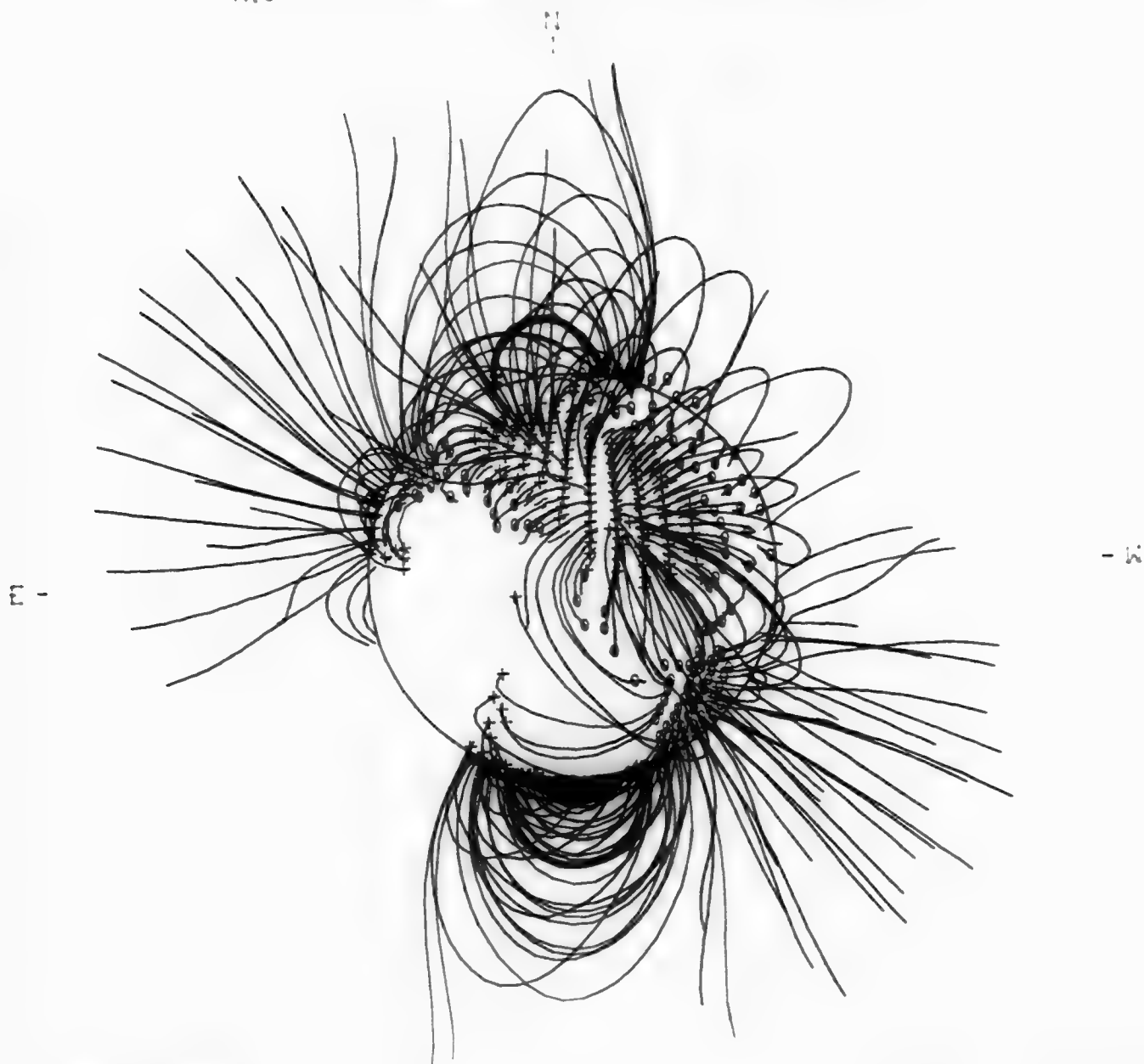
DATA WINDOW 1525.00

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ROT. 1525 2015. 51°

19.0 107 155

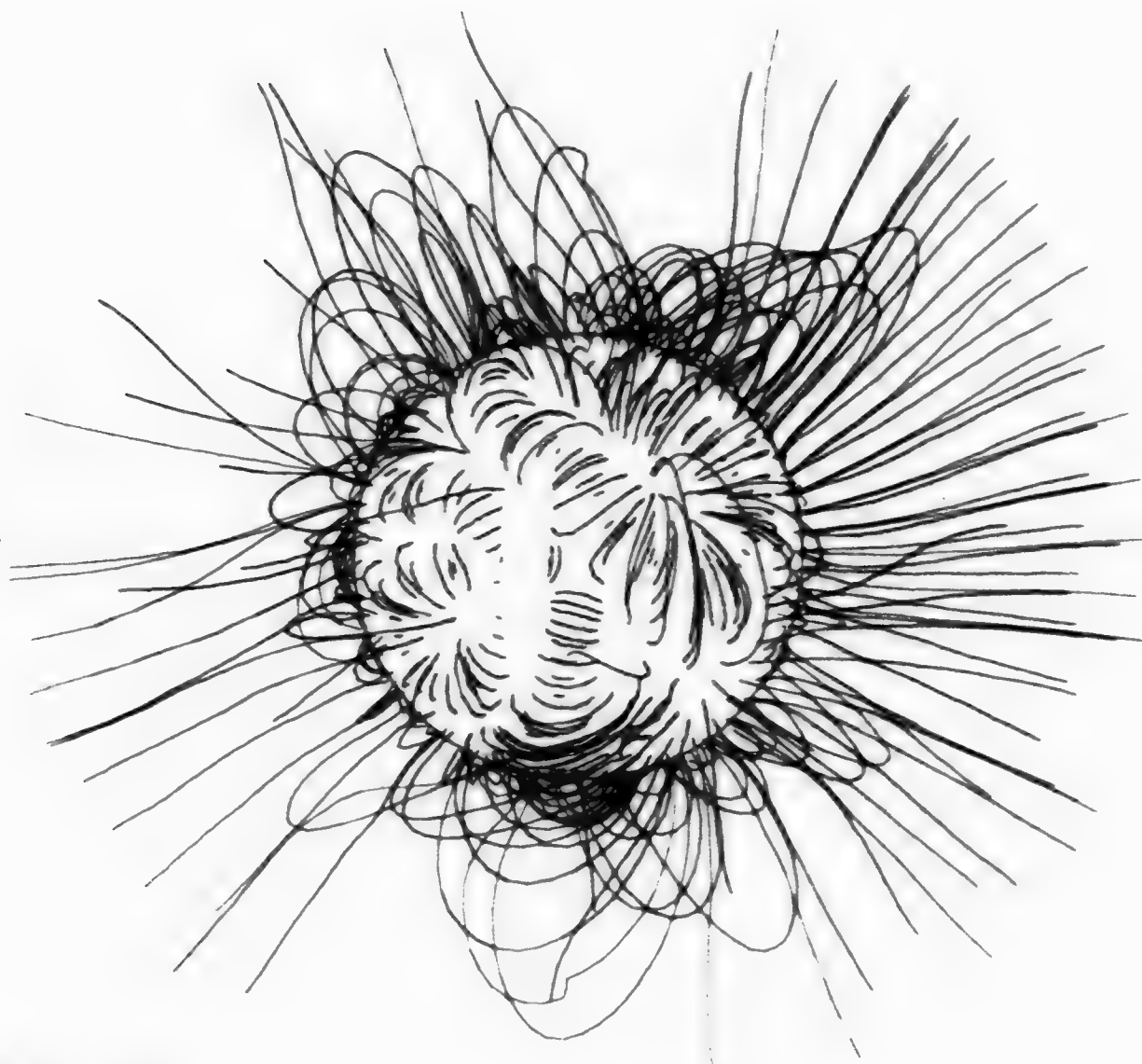
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1952
 1953

HALE OBSERVATORY
 1952
 1953

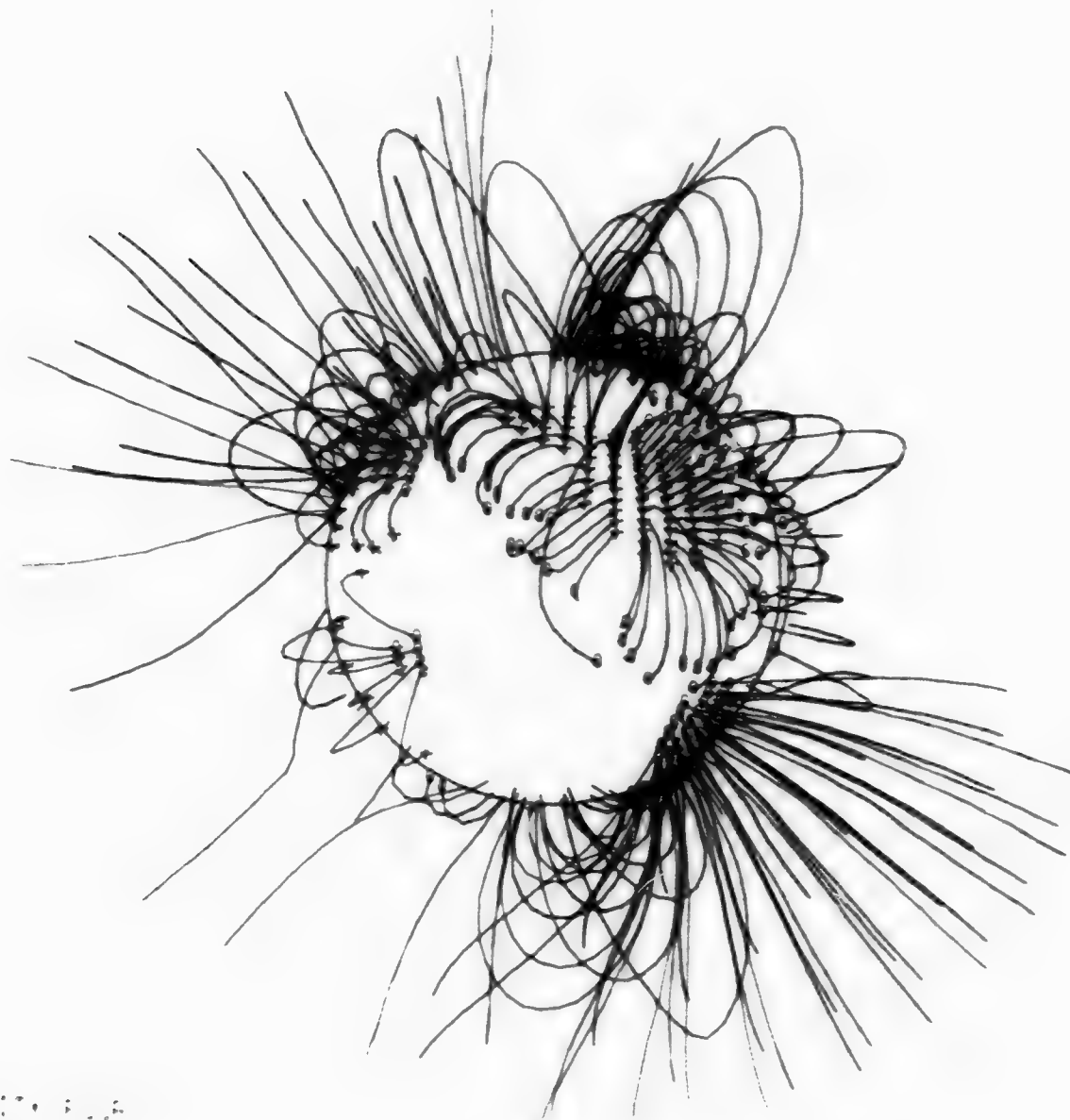
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
HAWAII

HALE
OBSERVATORY
HAWAII

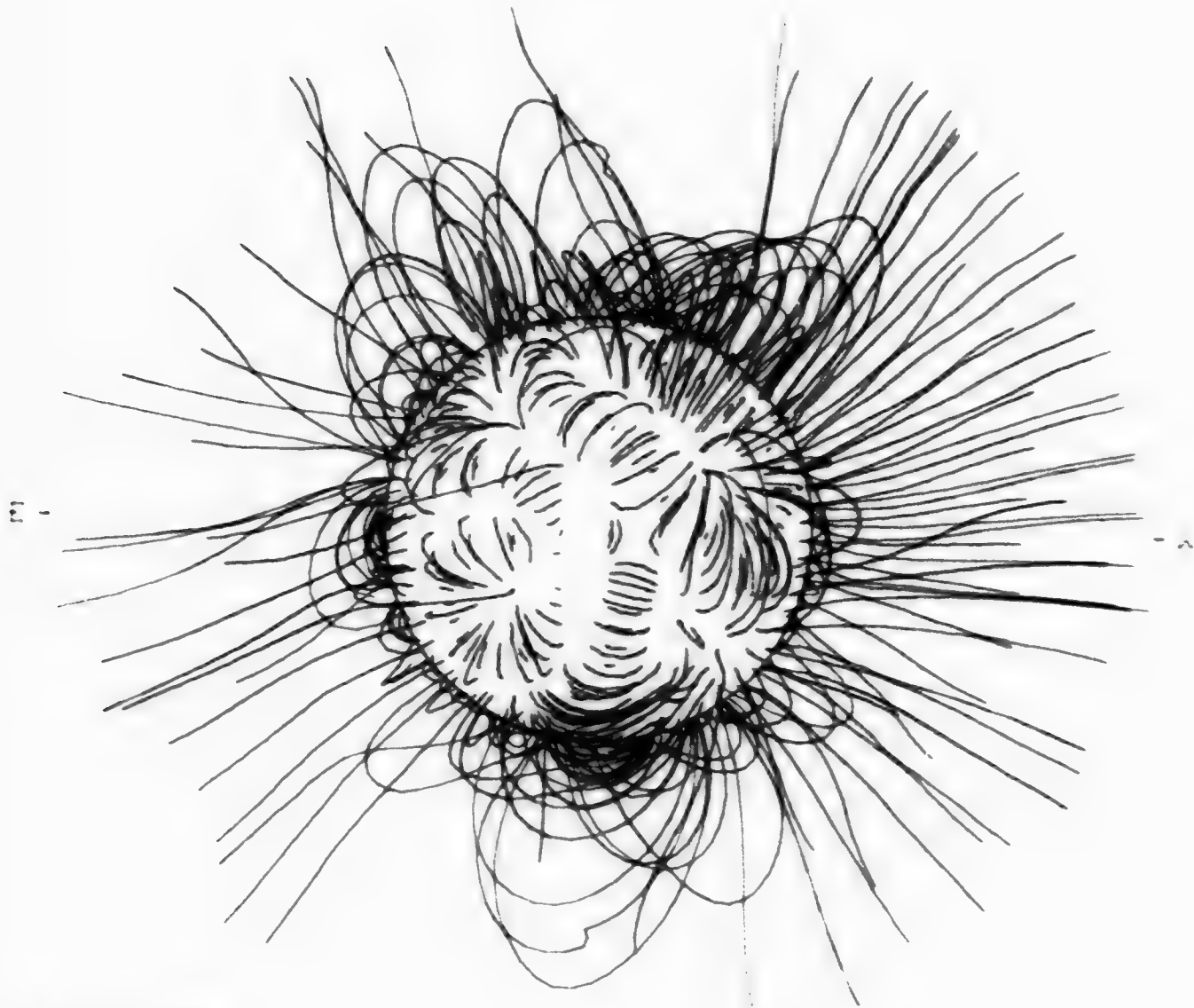
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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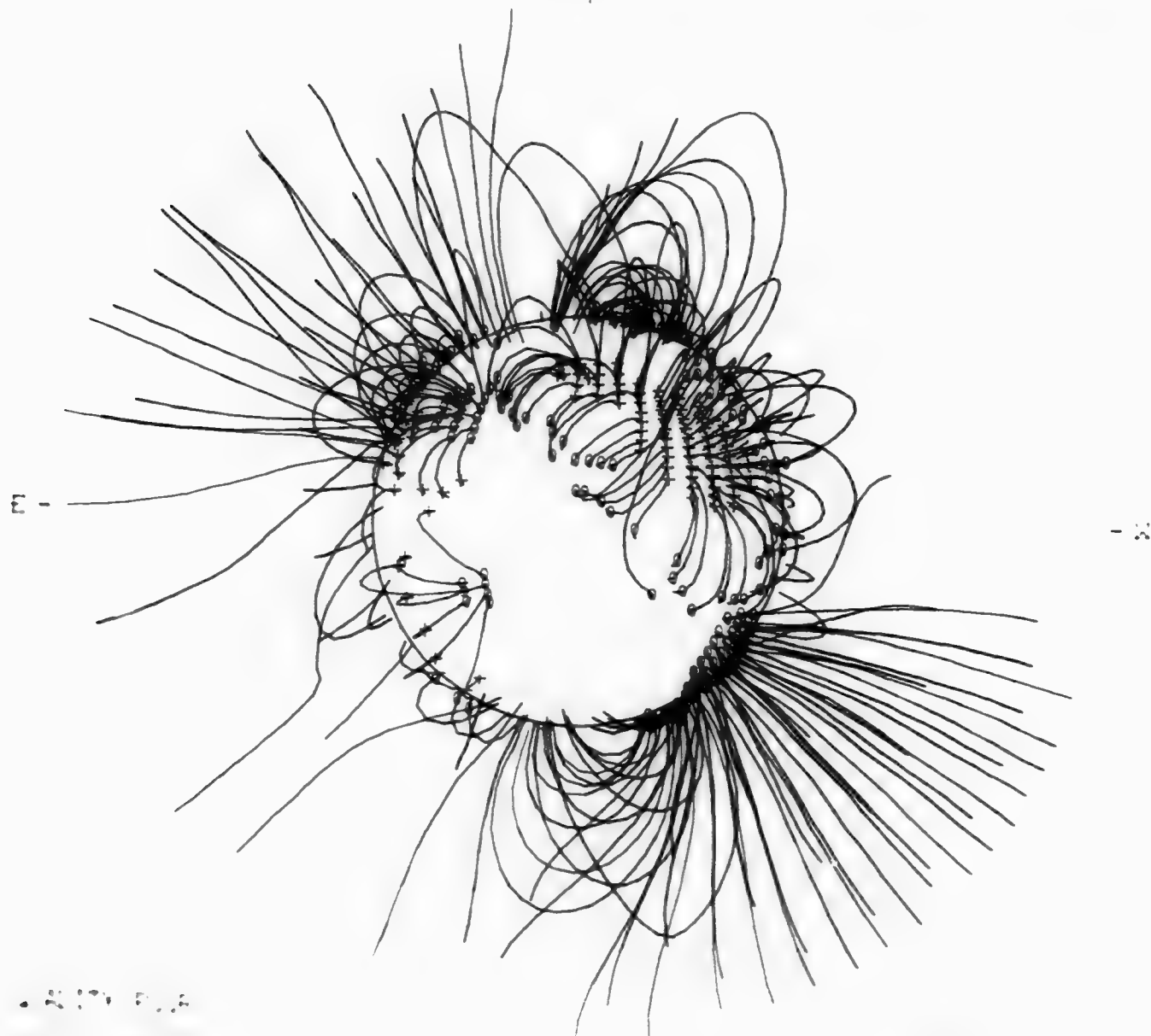
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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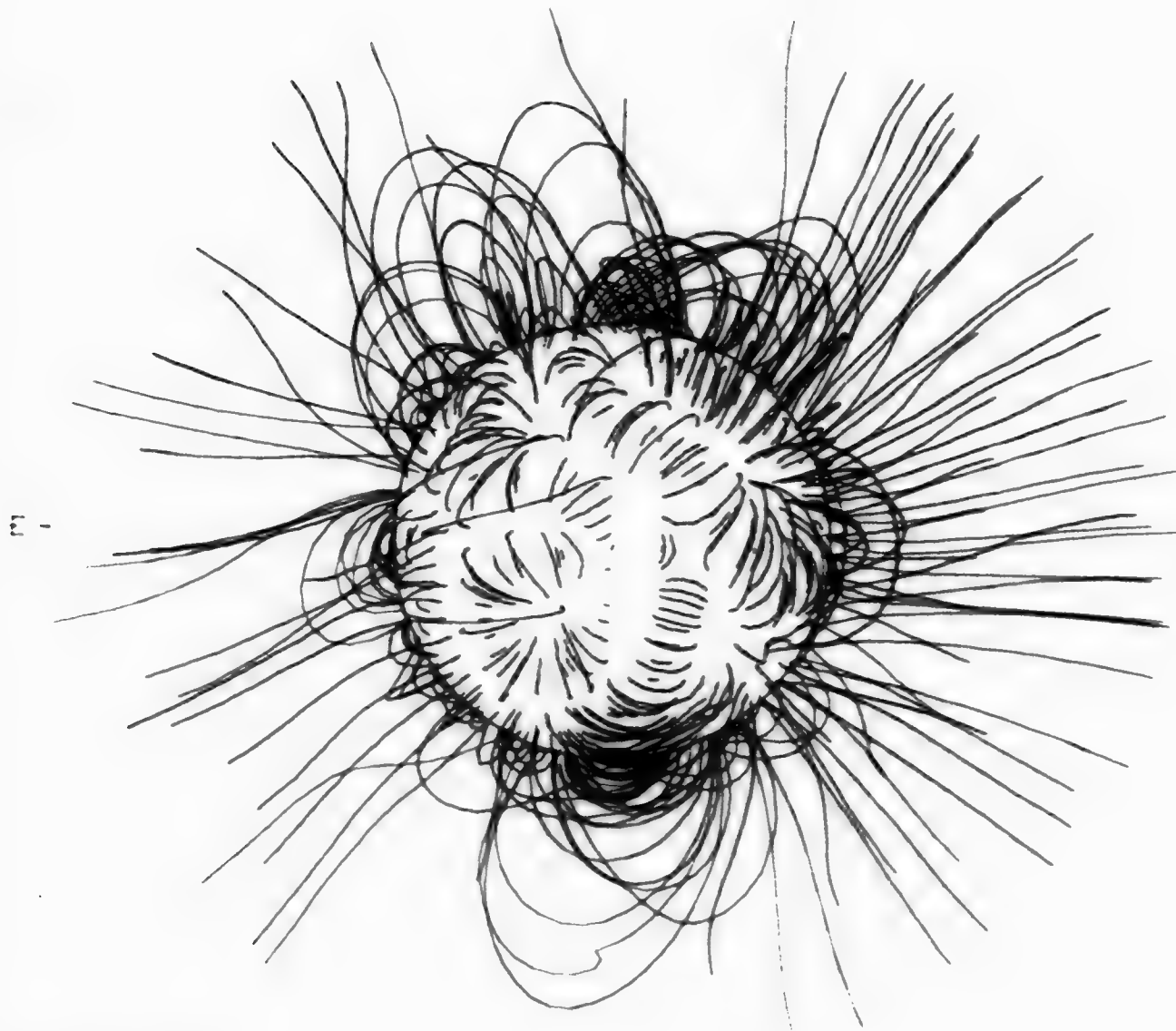
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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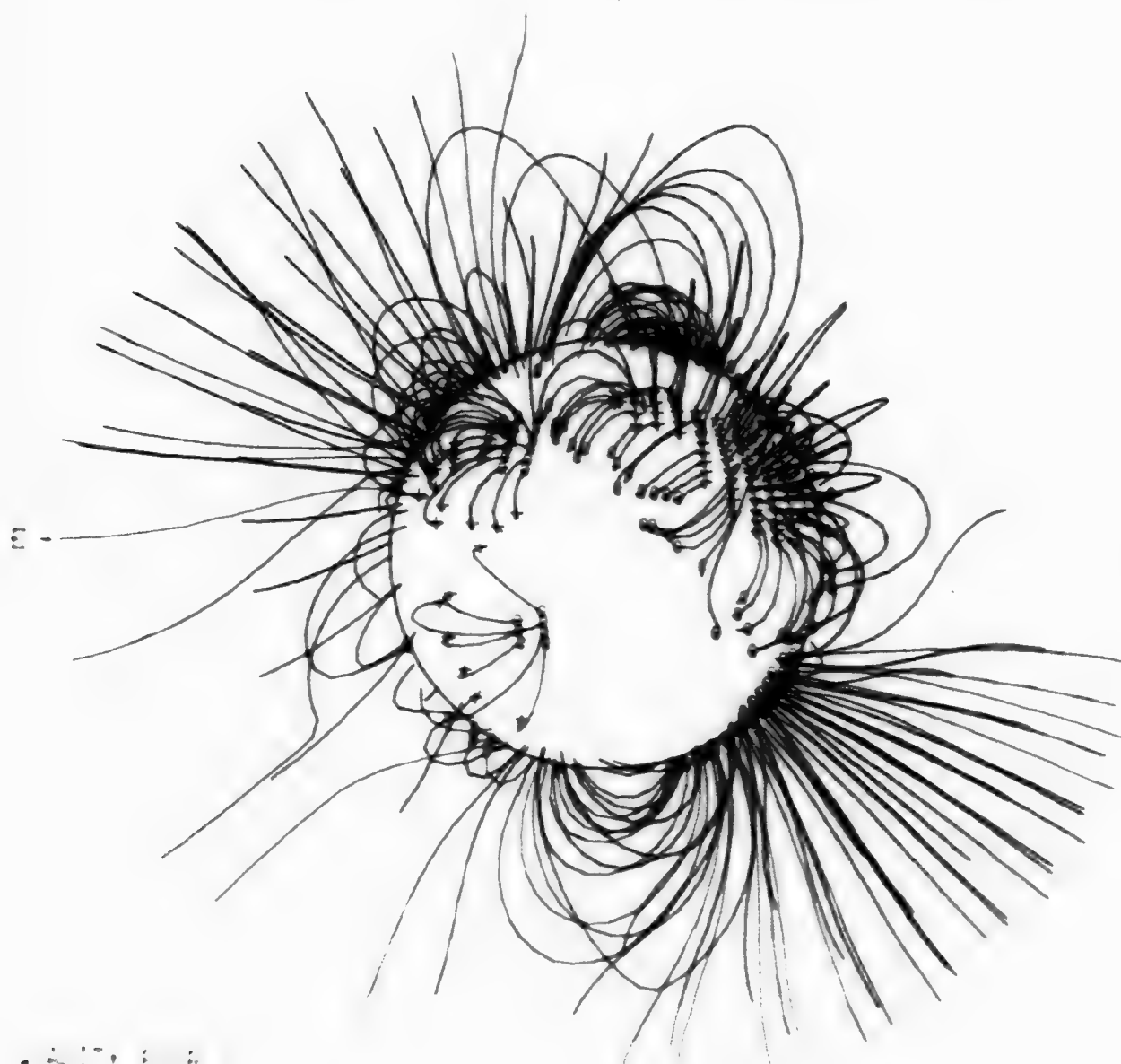
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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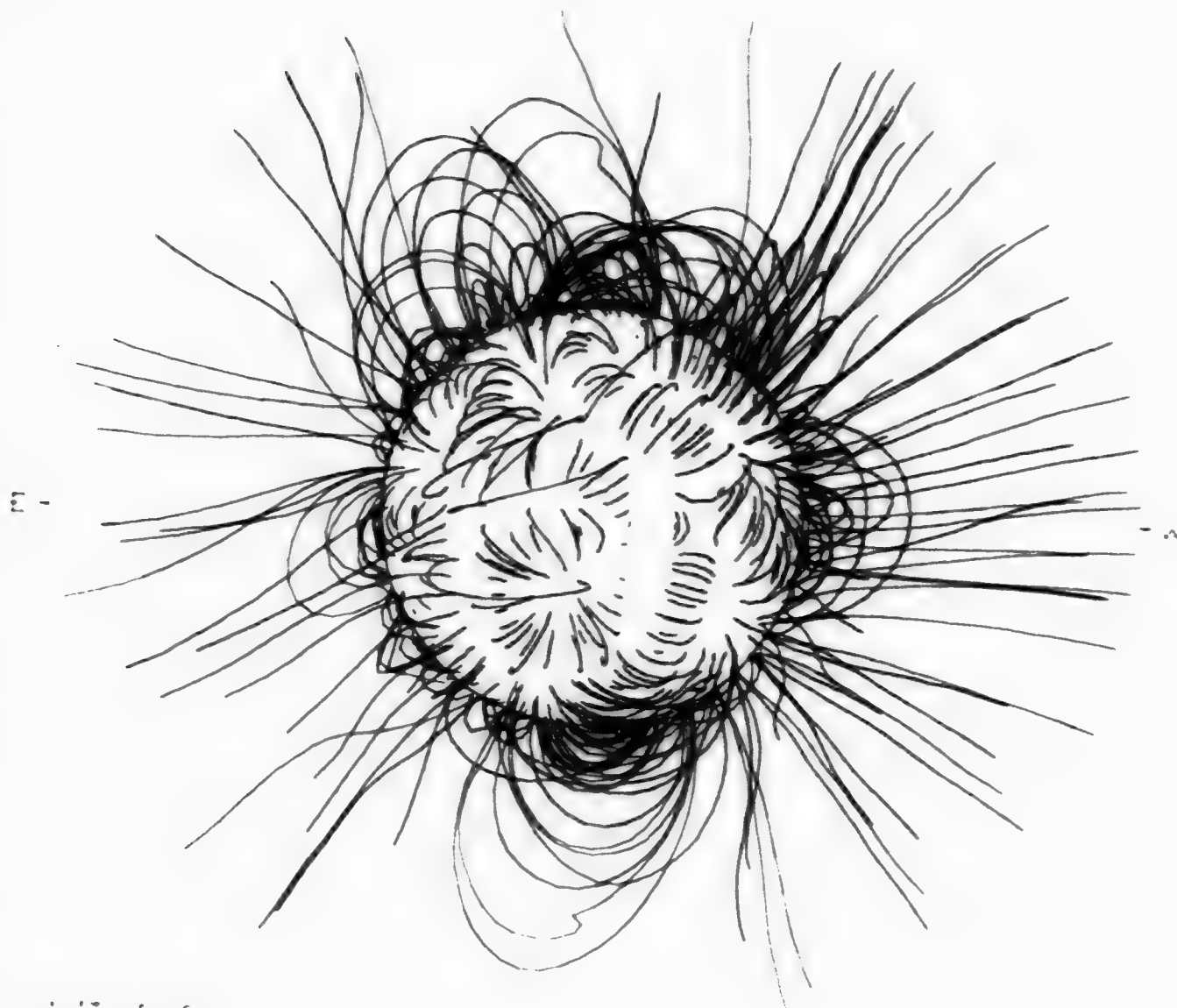
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
POLES STREET
DATE LINE IN 1964

HALE
POLES STREET
DATE LINE IN 1964

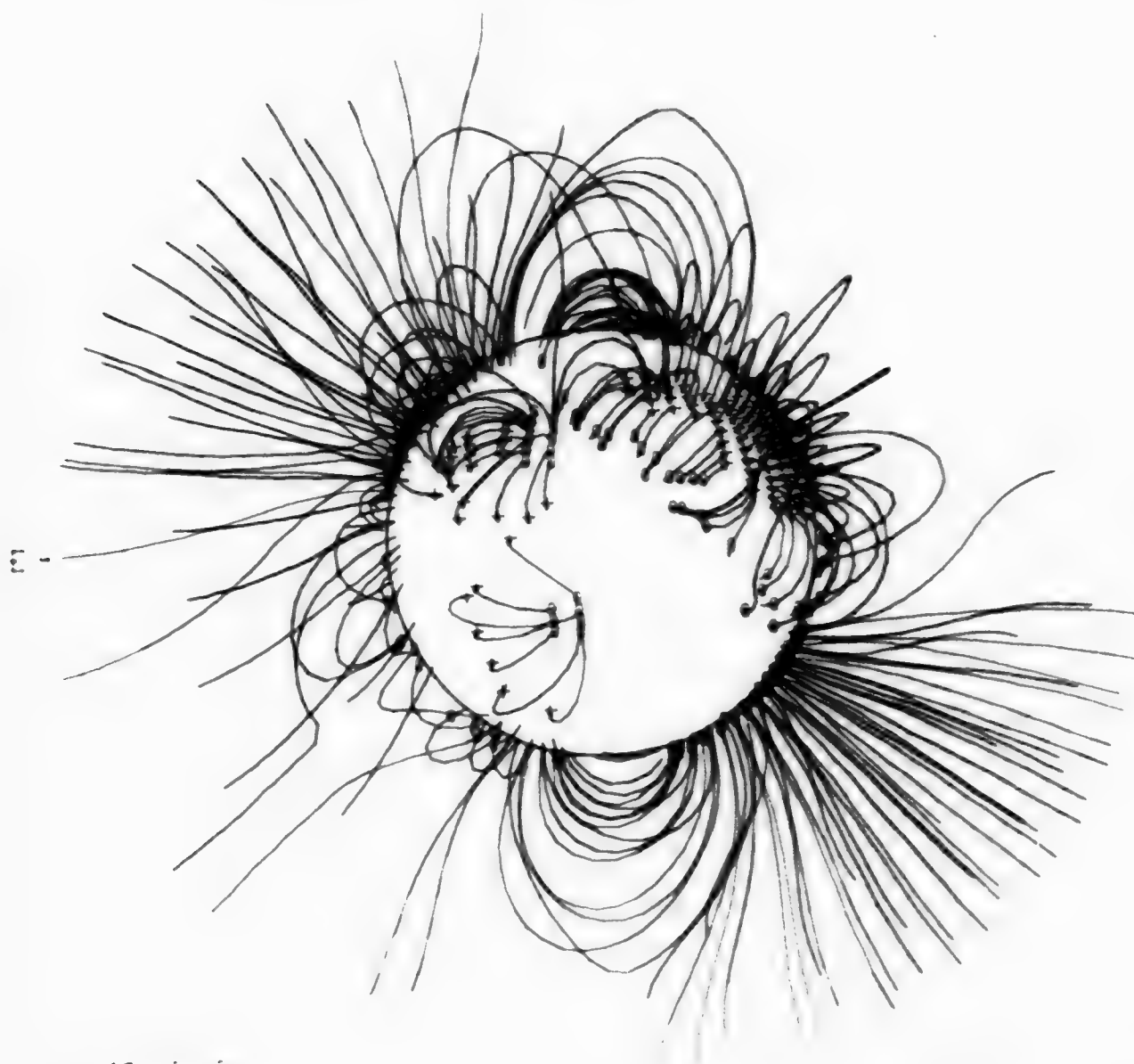
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA COLLECTION

HALE OBSERVATORY
 HAILE OBSERVATORY

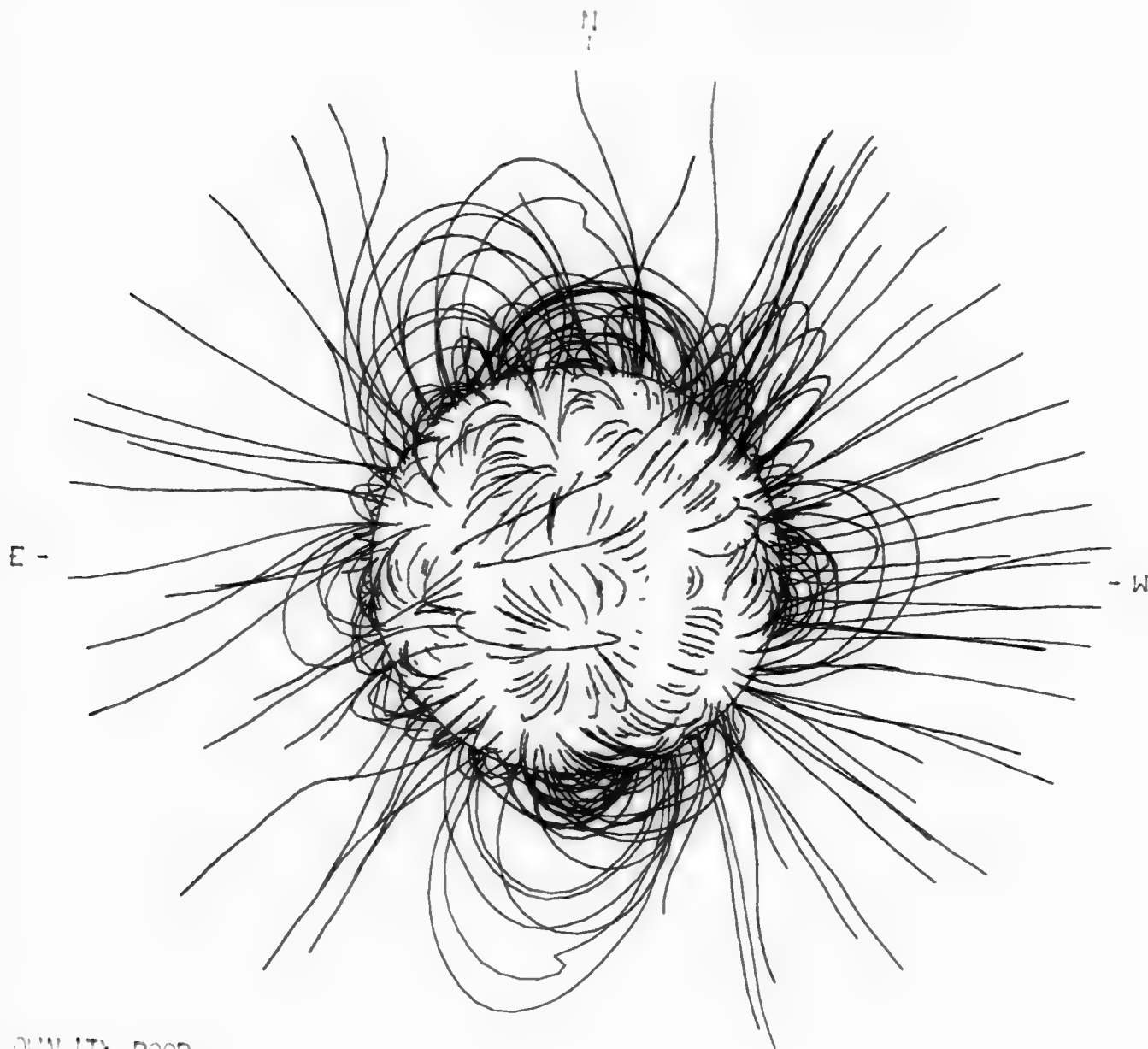
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPINE
CLIFF
DATA WITHIN "HALL"

ALPINE
CLIFF
DATA WITHIN "HALL"

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

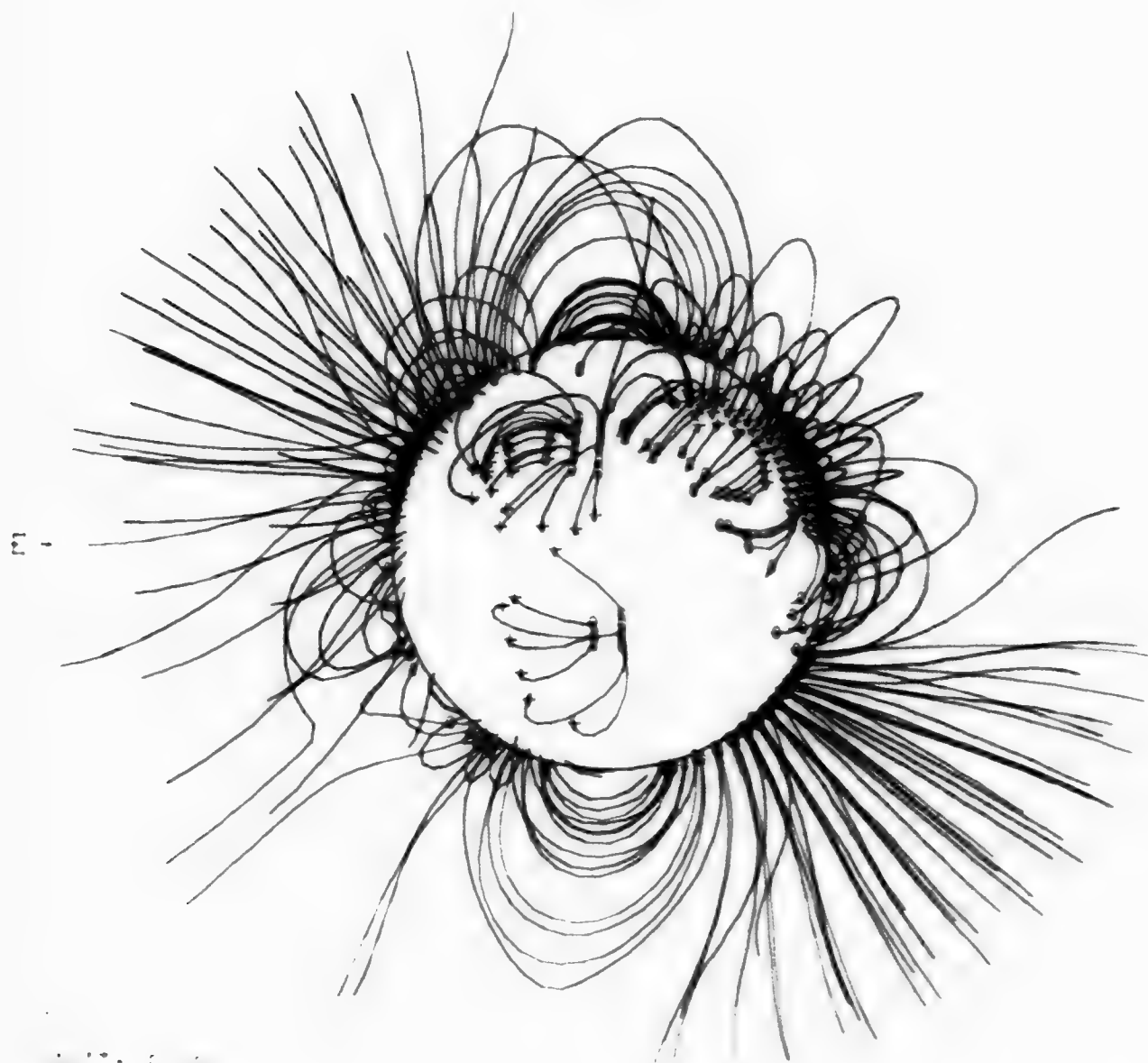
DATA WINDOW 1526.47

1
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ROT. 1526 LONG. 40°

22.8 OCT 1967

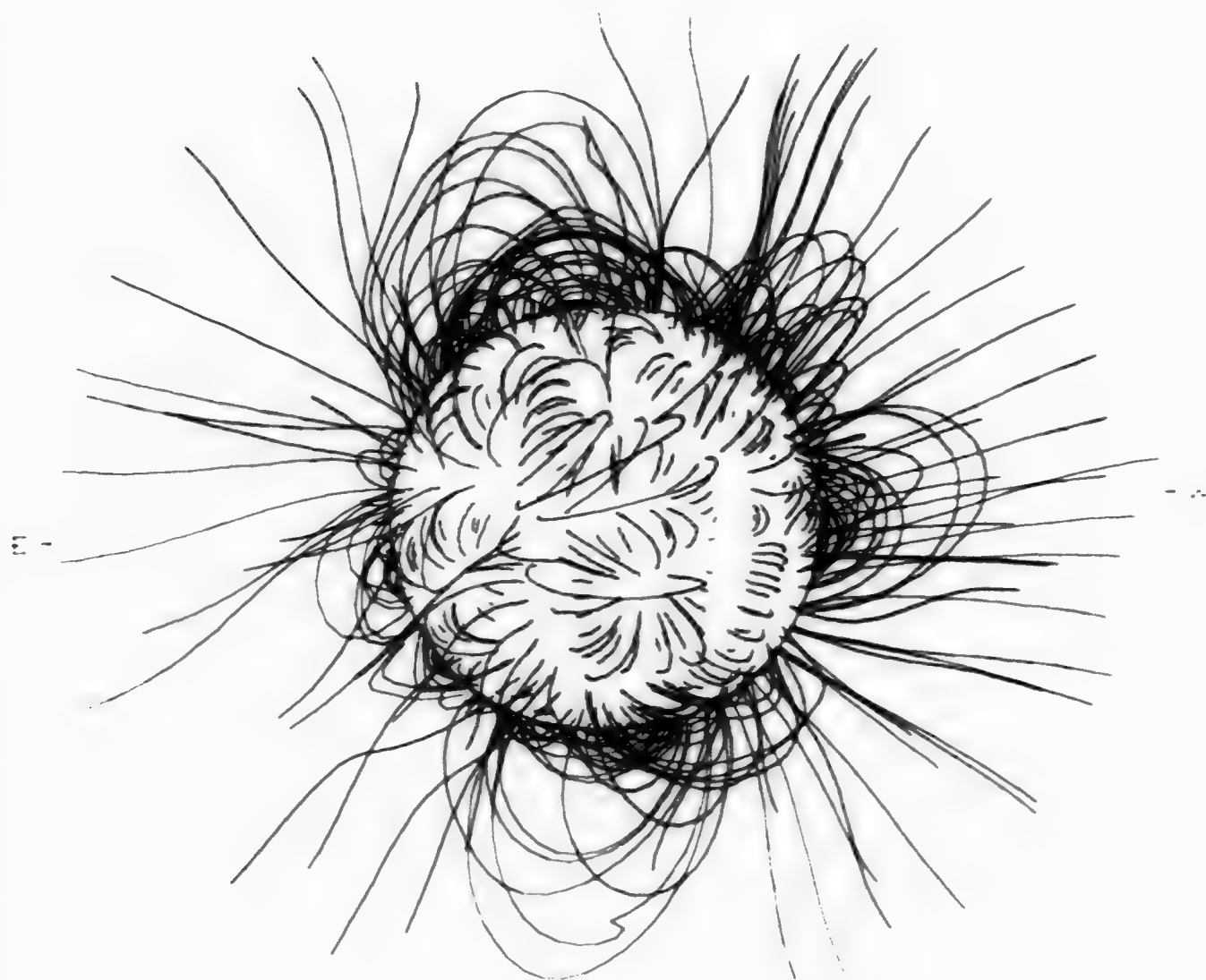
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORIES
HALE OBSERVATORIES
HALE OBSERVATORIES

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HALE OBSERVATORIES

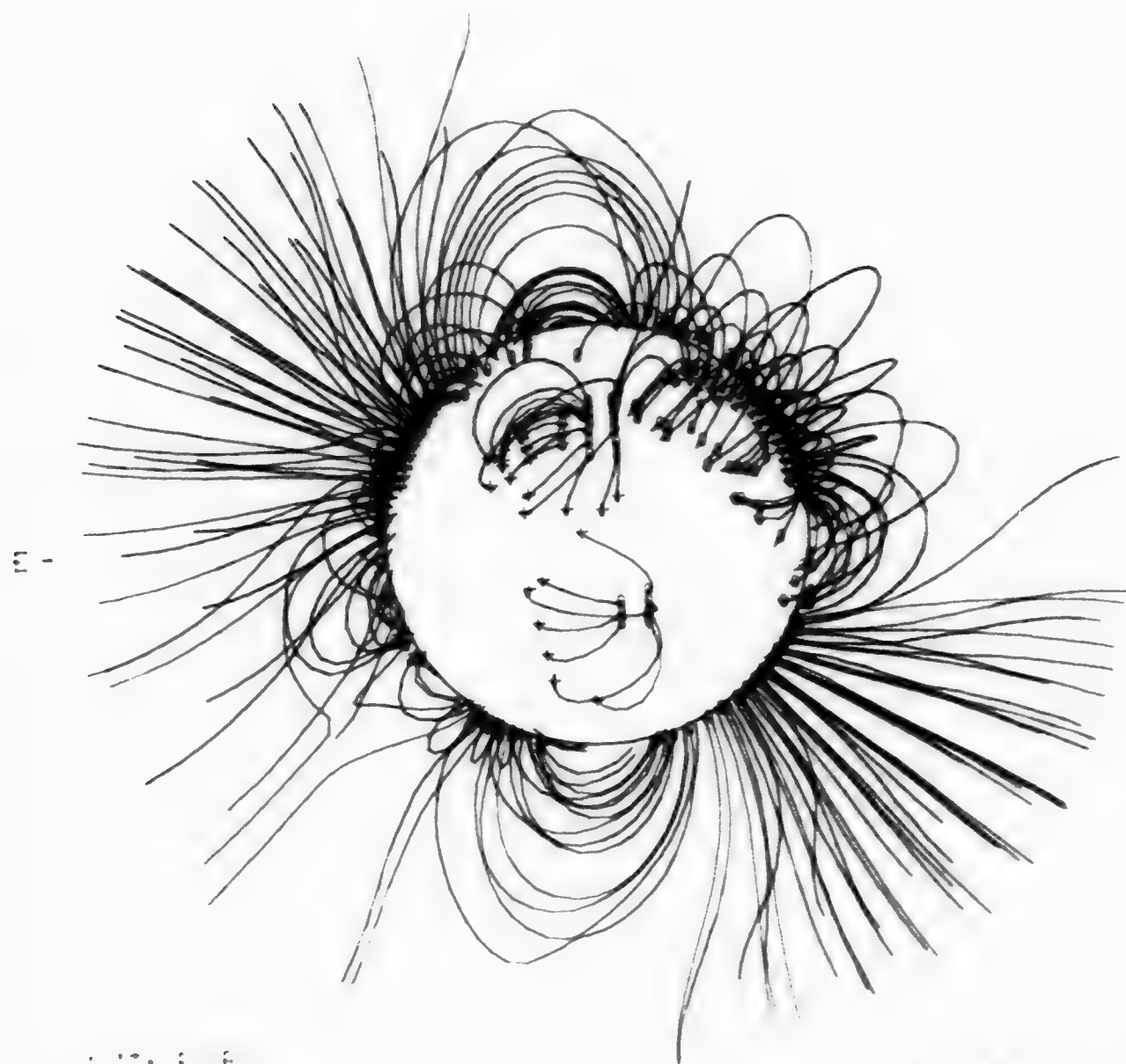
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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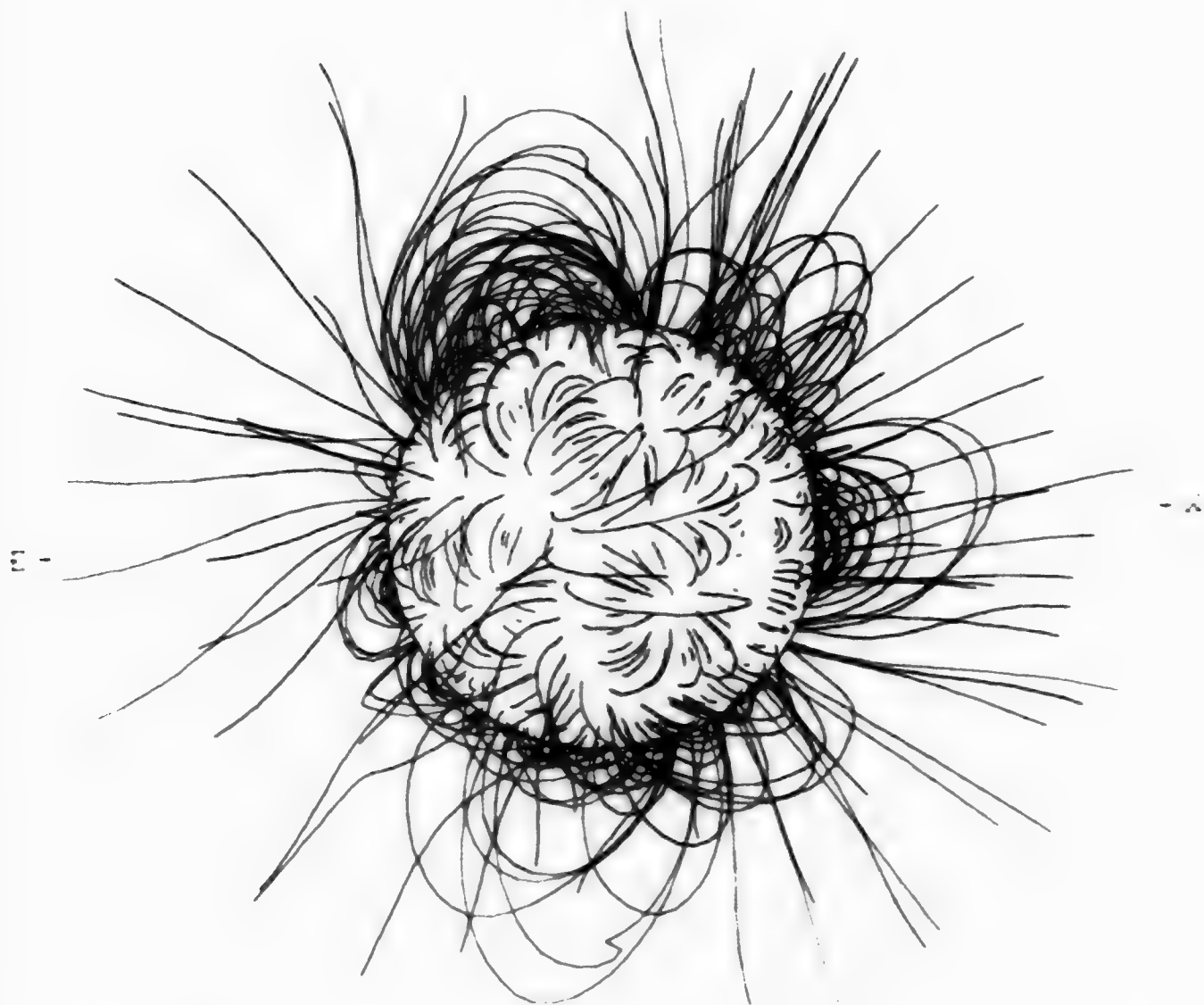
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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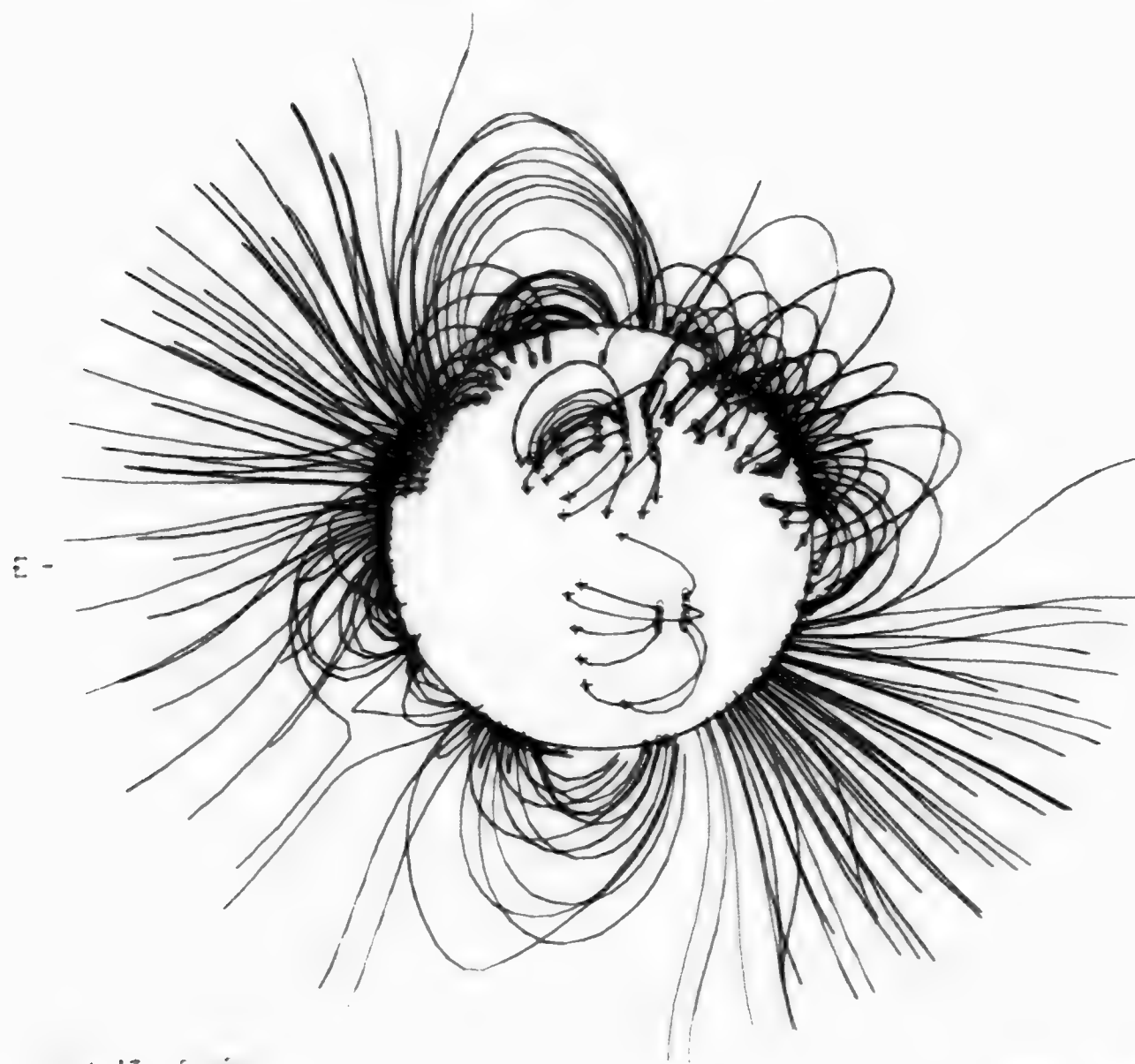
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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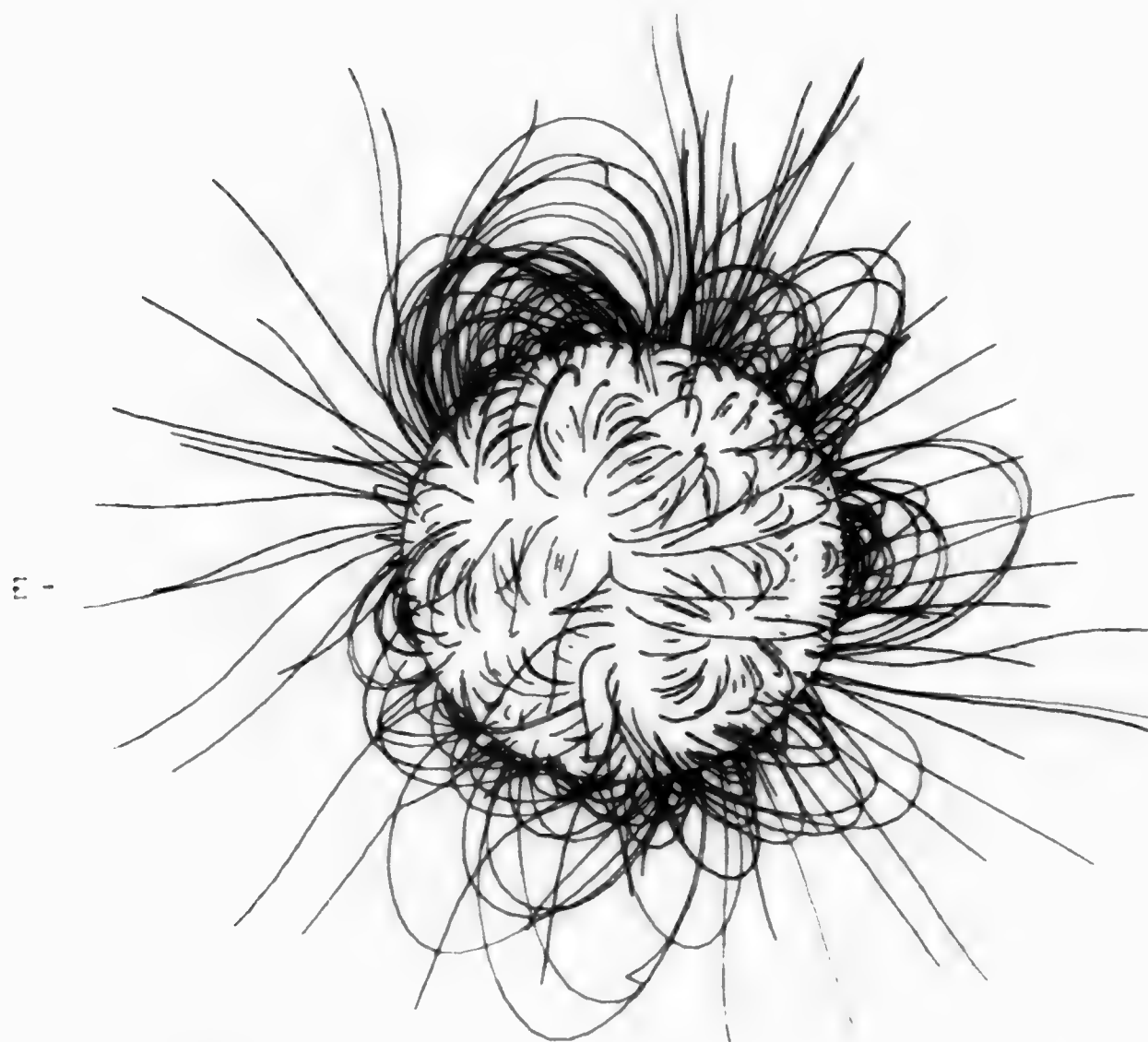
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

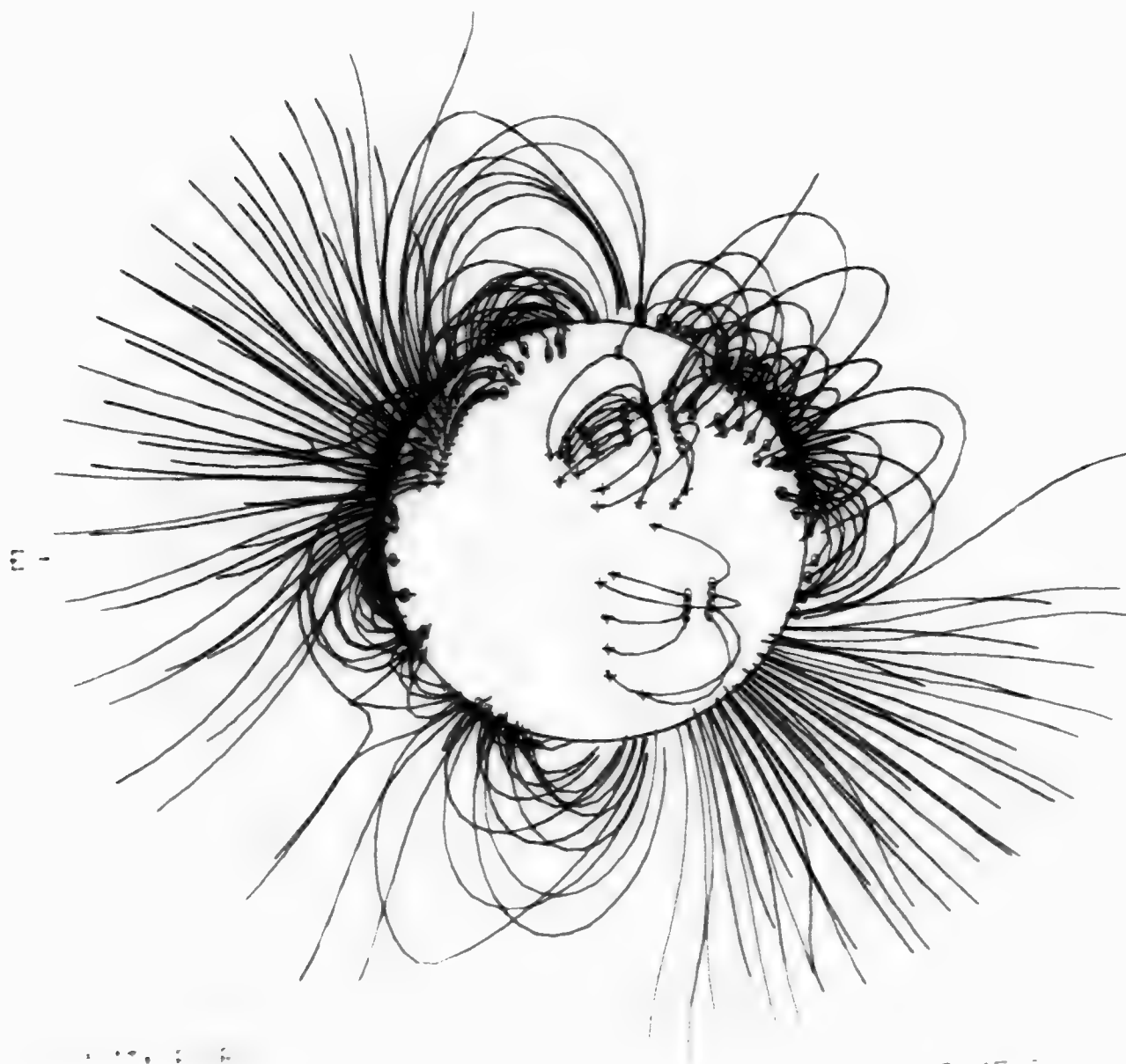
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PAGES 1-10
DATA 1960-1961

HALE OBSERVATORY
PAGES 1-10
DATA 1960-1961

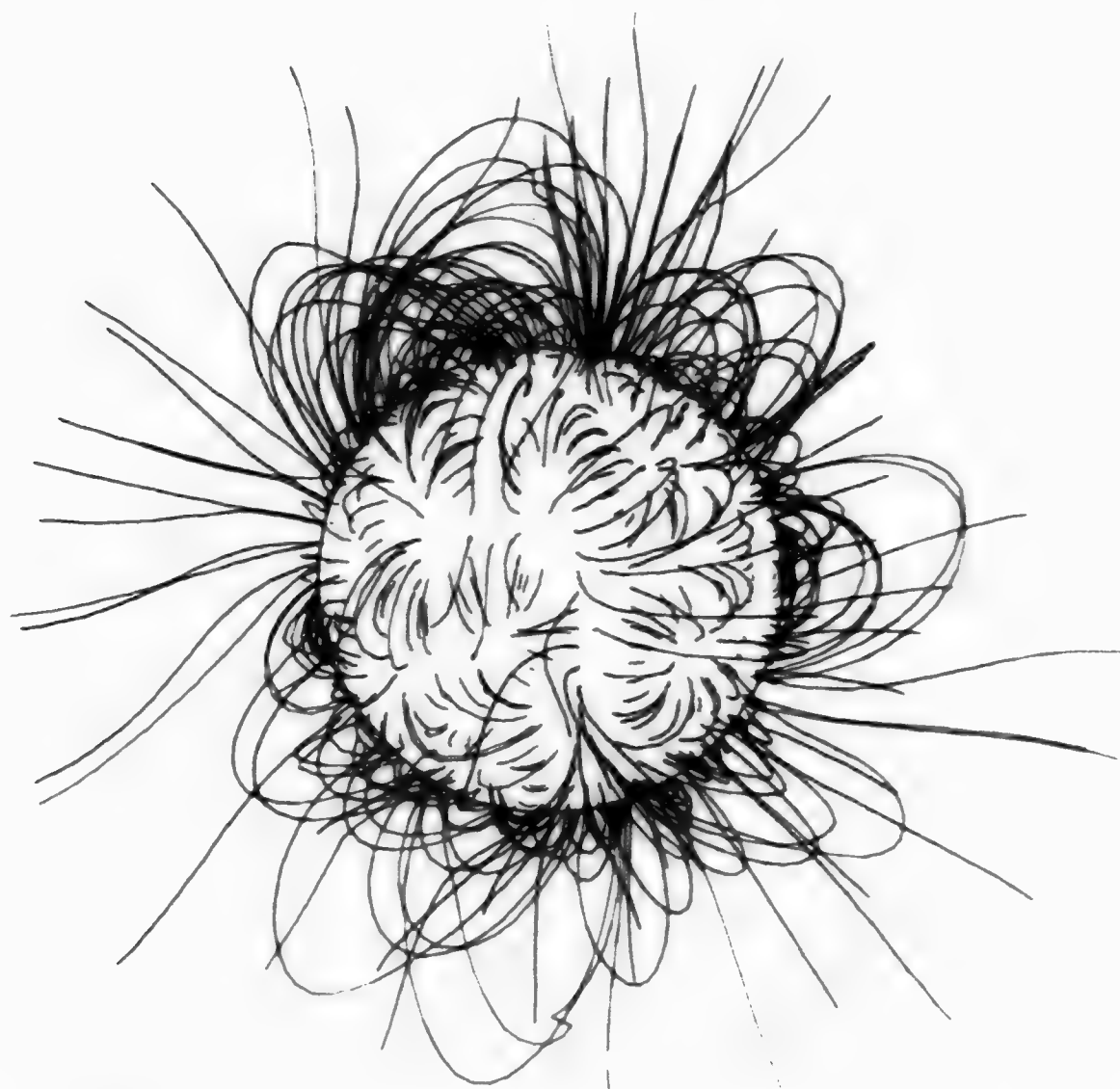
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
HAWAIIAN ISLANDS

HALE OBSERVATORY
HAWAII
HAWAIIAN ISLANDS

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

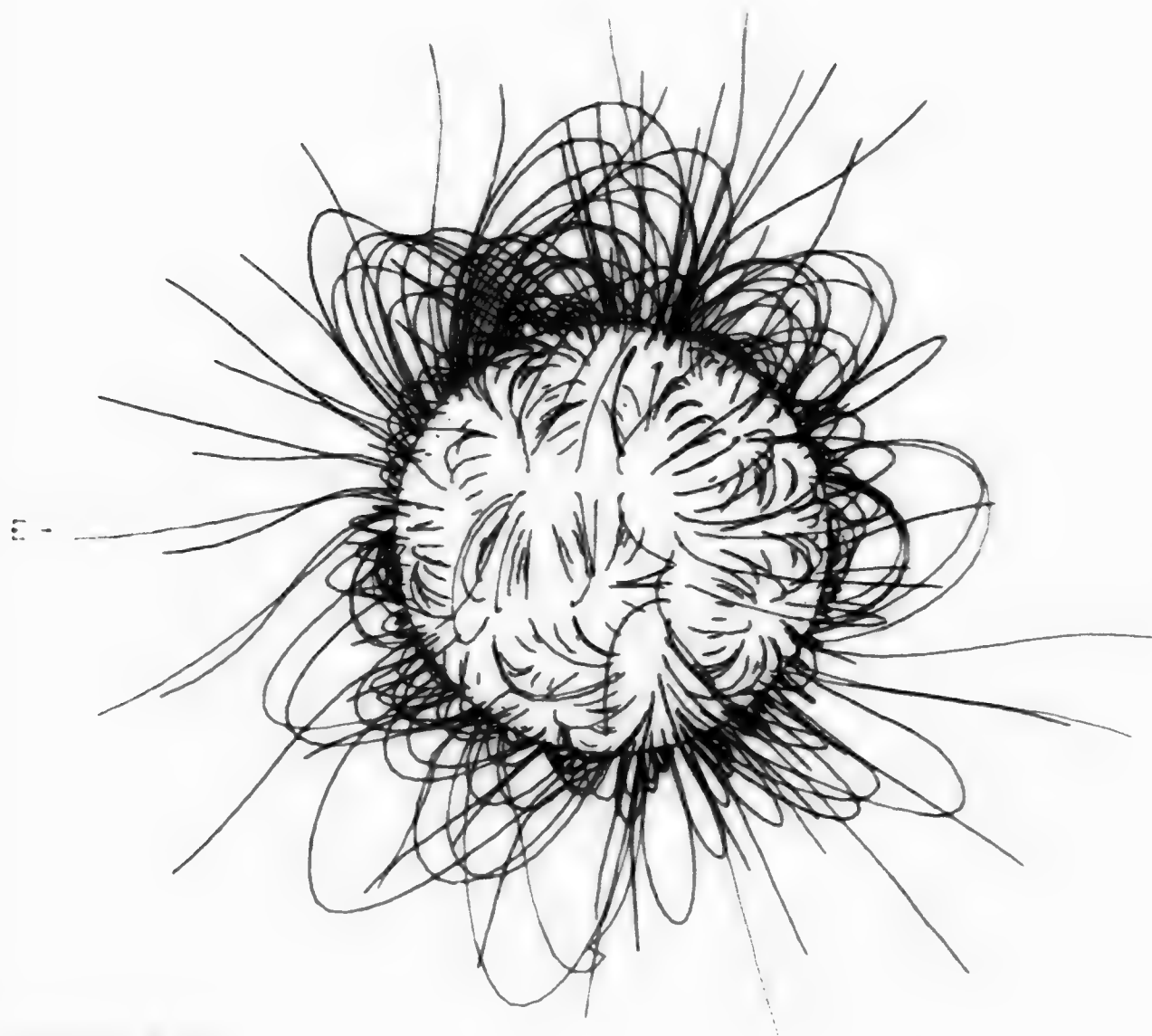
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA AND/OR RECORD

HALE OBSERVATORY
 HAILE OBSERVATORY
 DATA AND/OR RECORD

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

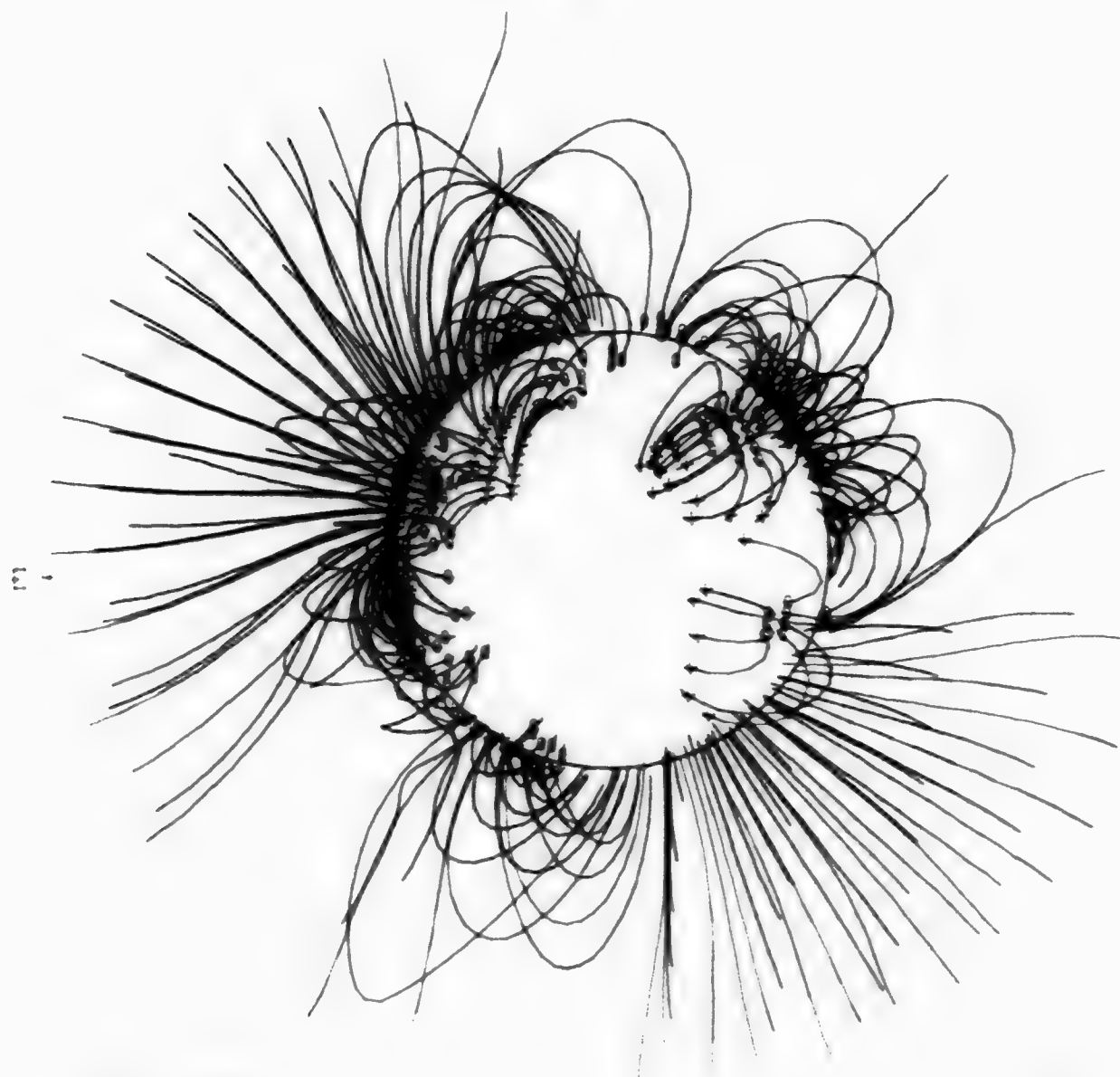
HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

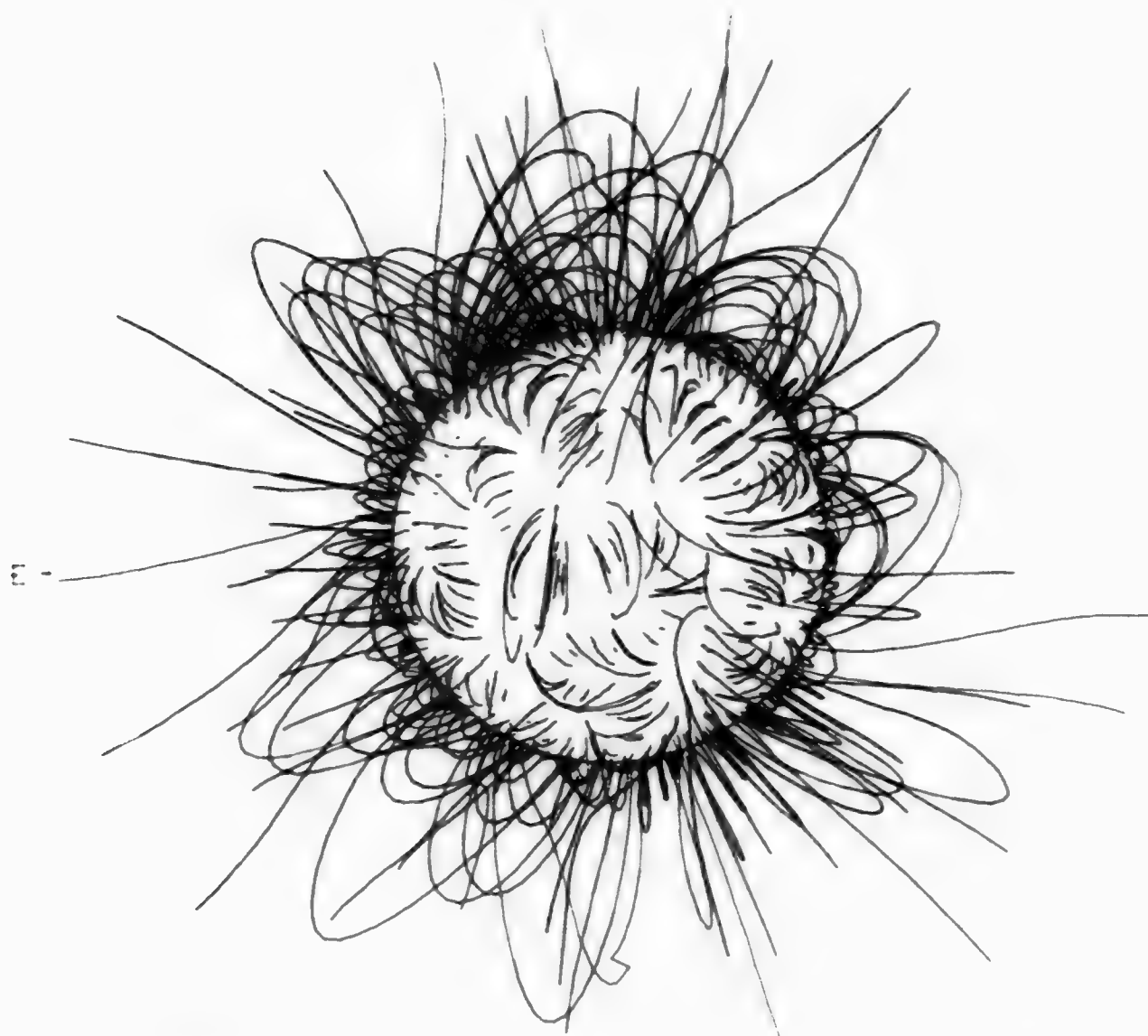
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR FLARES
SOLAR WIND

HALE OBSERVATORY
SOLAR FLARES
SOLAR WIND

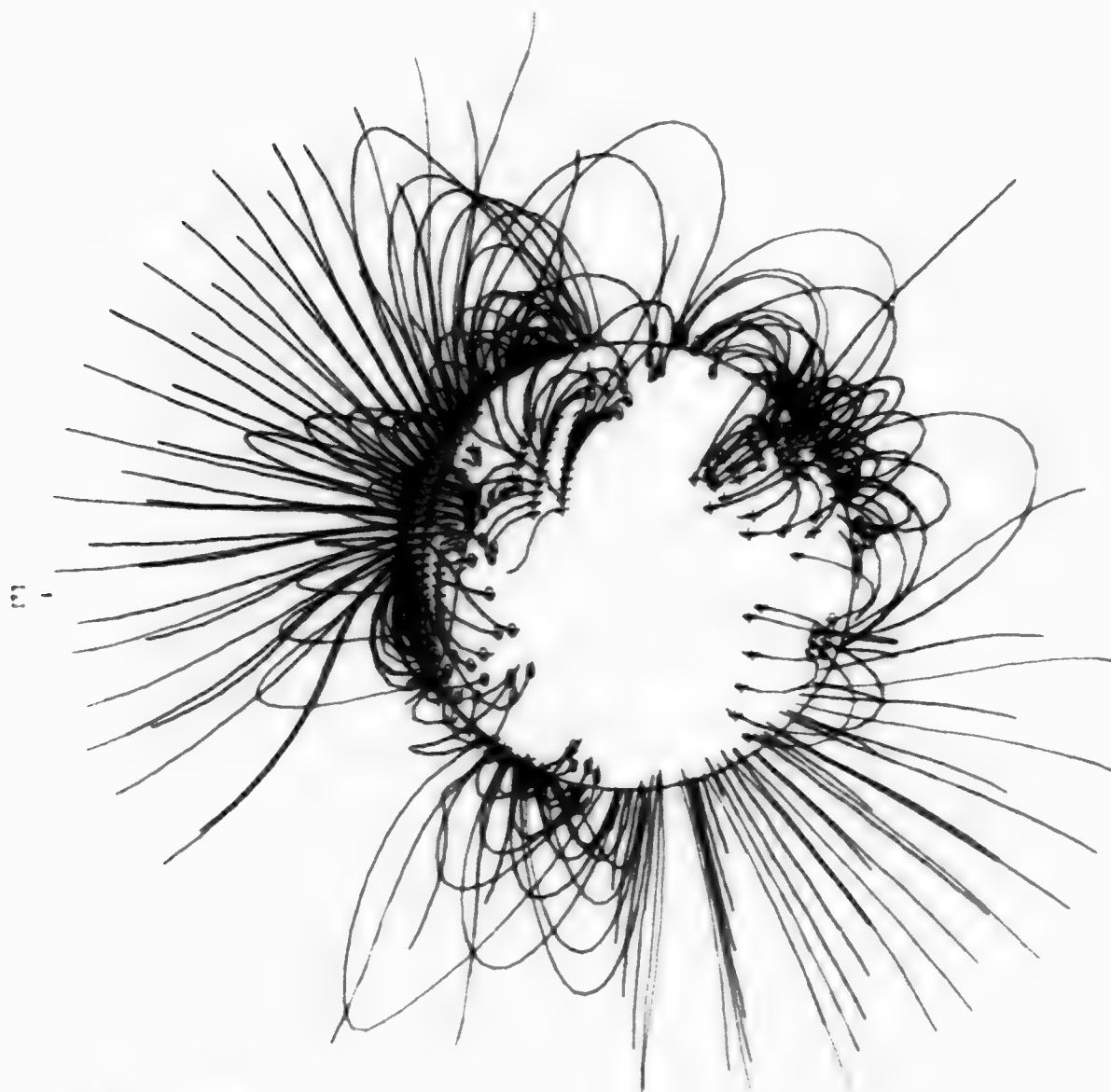
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

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HALE OBSERVATORY

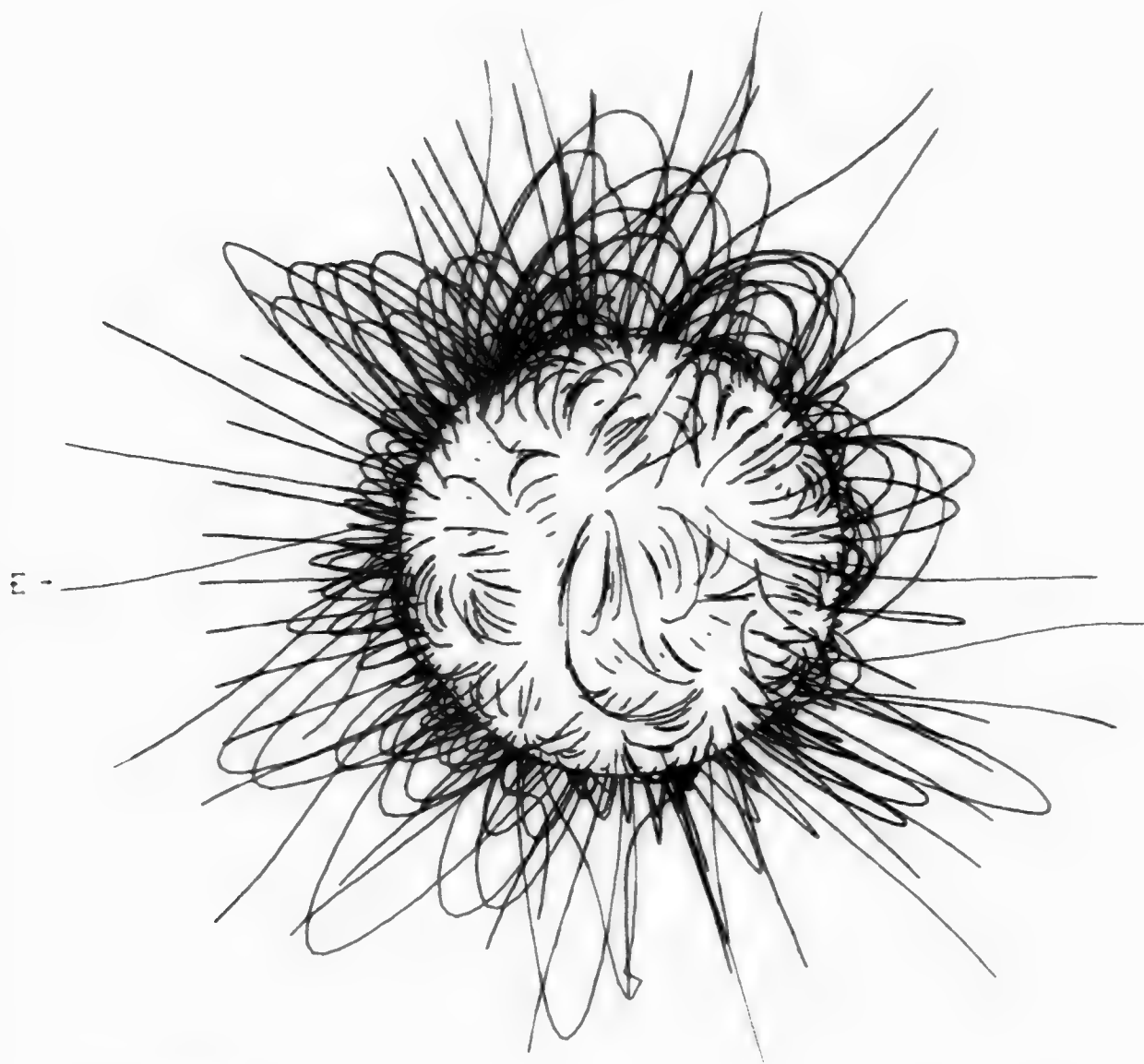
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR FLARE
OBSERVATION RECORD

HALE OBSERVATORY
SOLAR FLARE
OBSERVATION RECORD

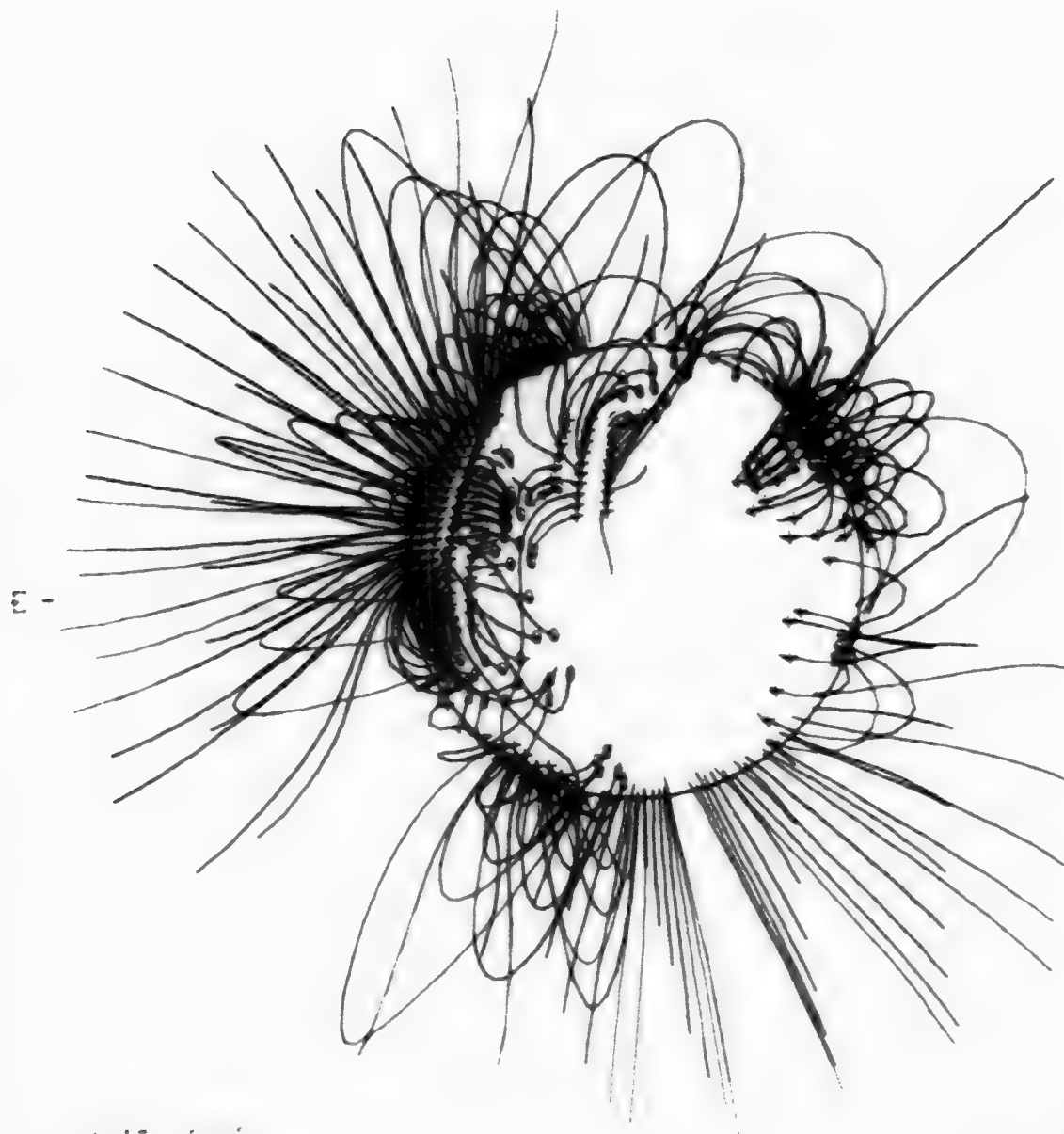
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR OBSERVATORY
SOLAR OBSERVATORY

HALE OBSERVATORY
SOLAR OBSERVATORY
SOLAR OBSERVATORY

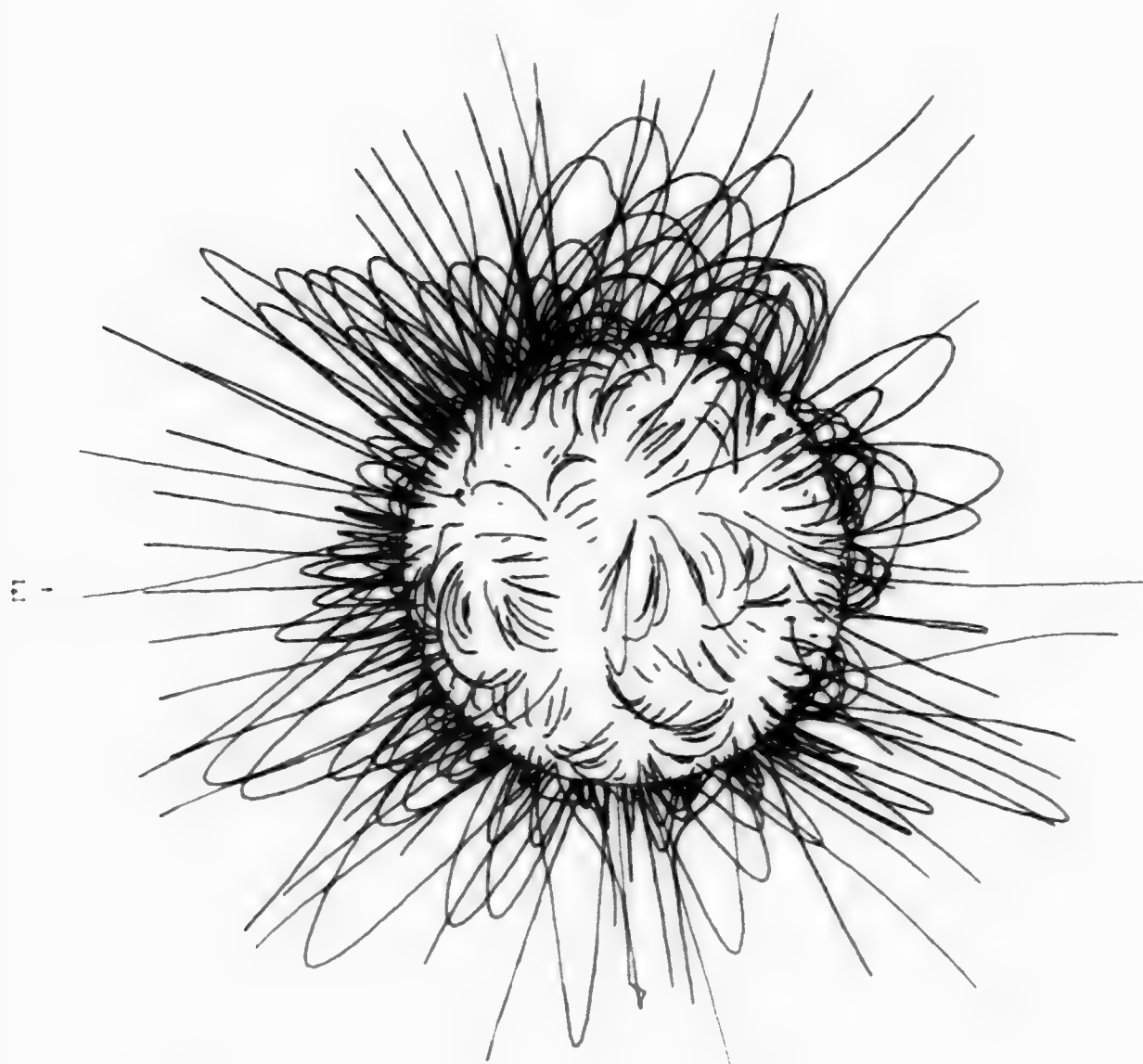
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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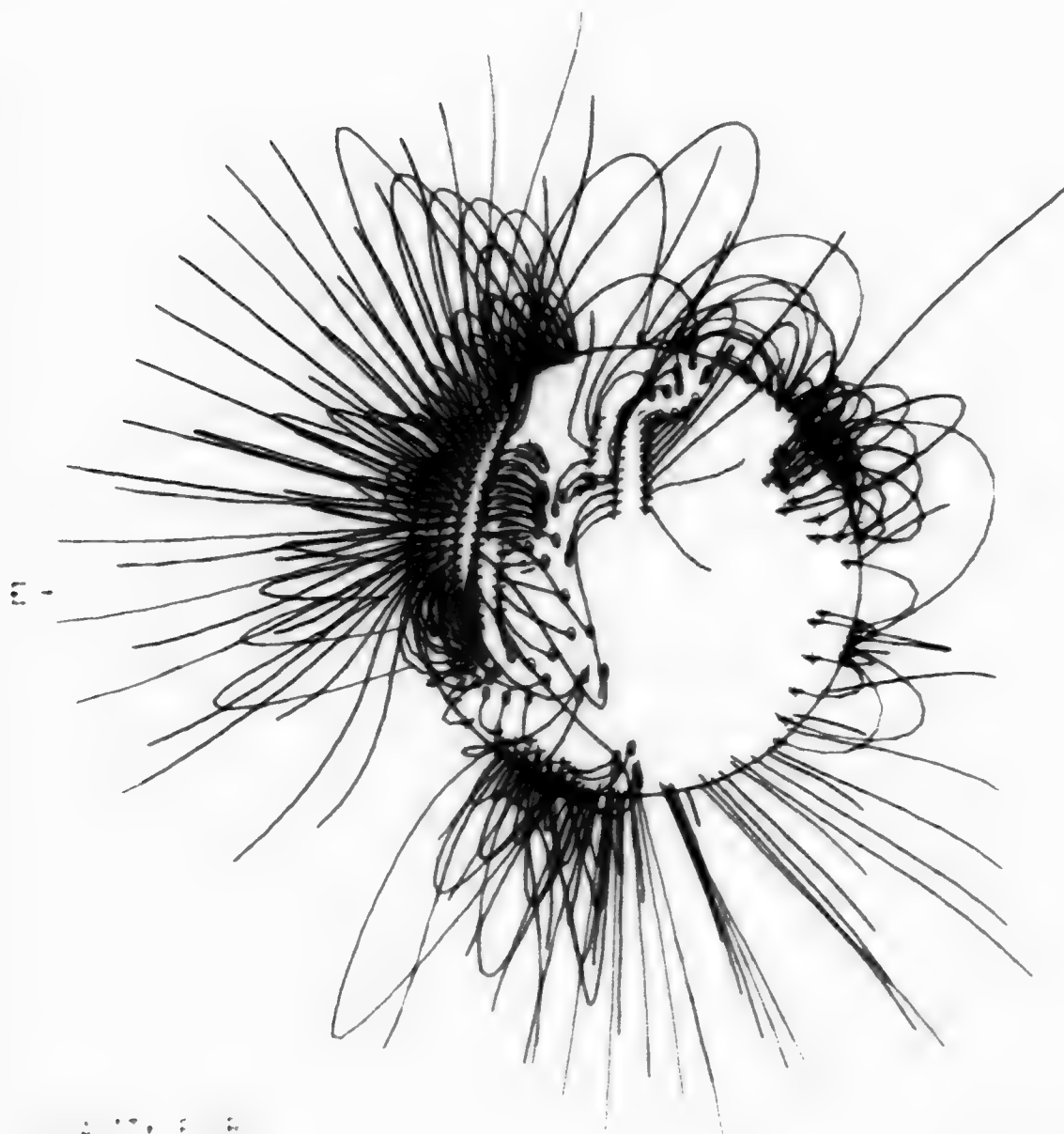
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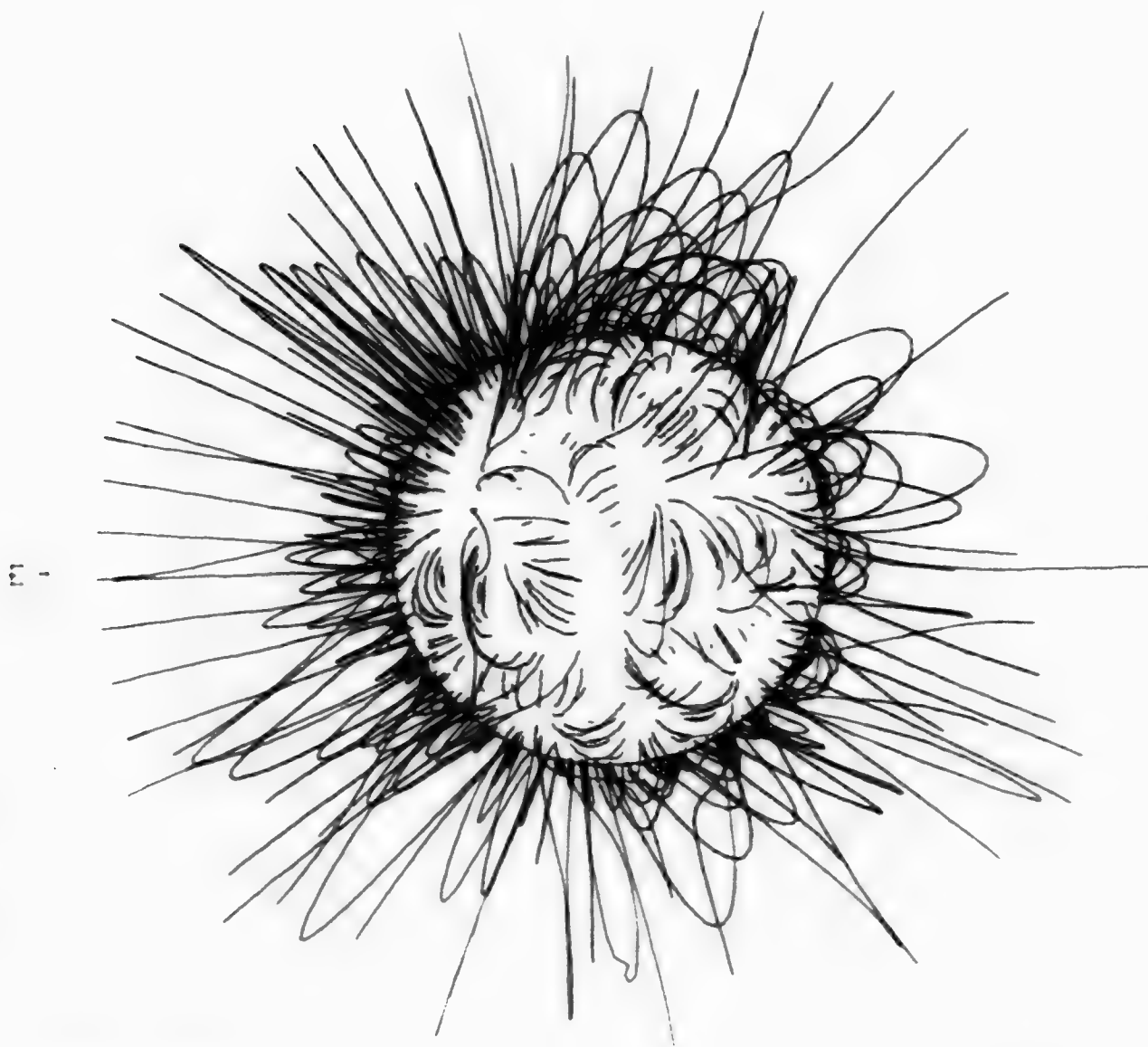
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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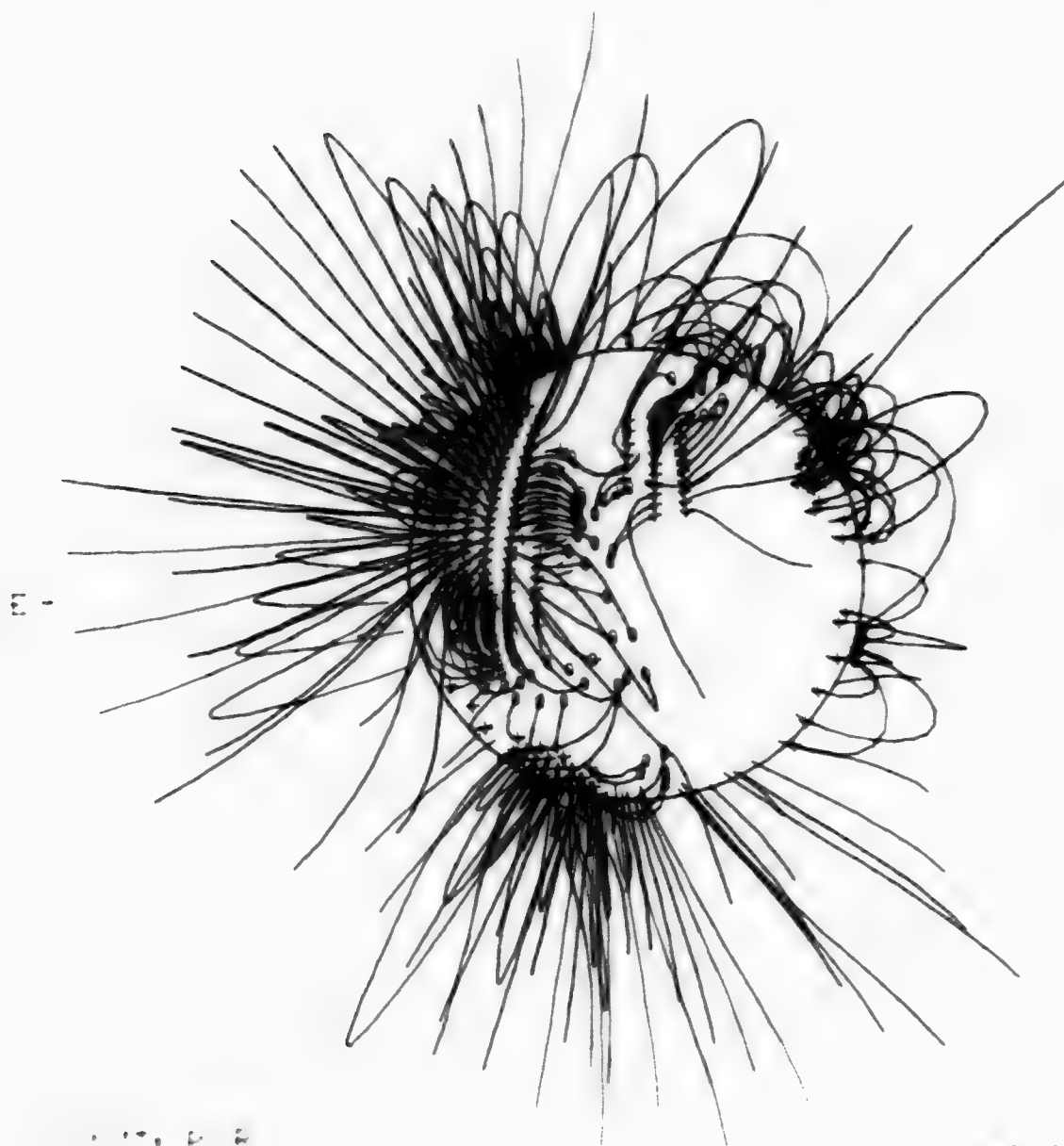
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO COUNTY
 COLORADO 81001

HALE OBSERVATORY
 PUEBLO COUNTY
 COLORADO 81001

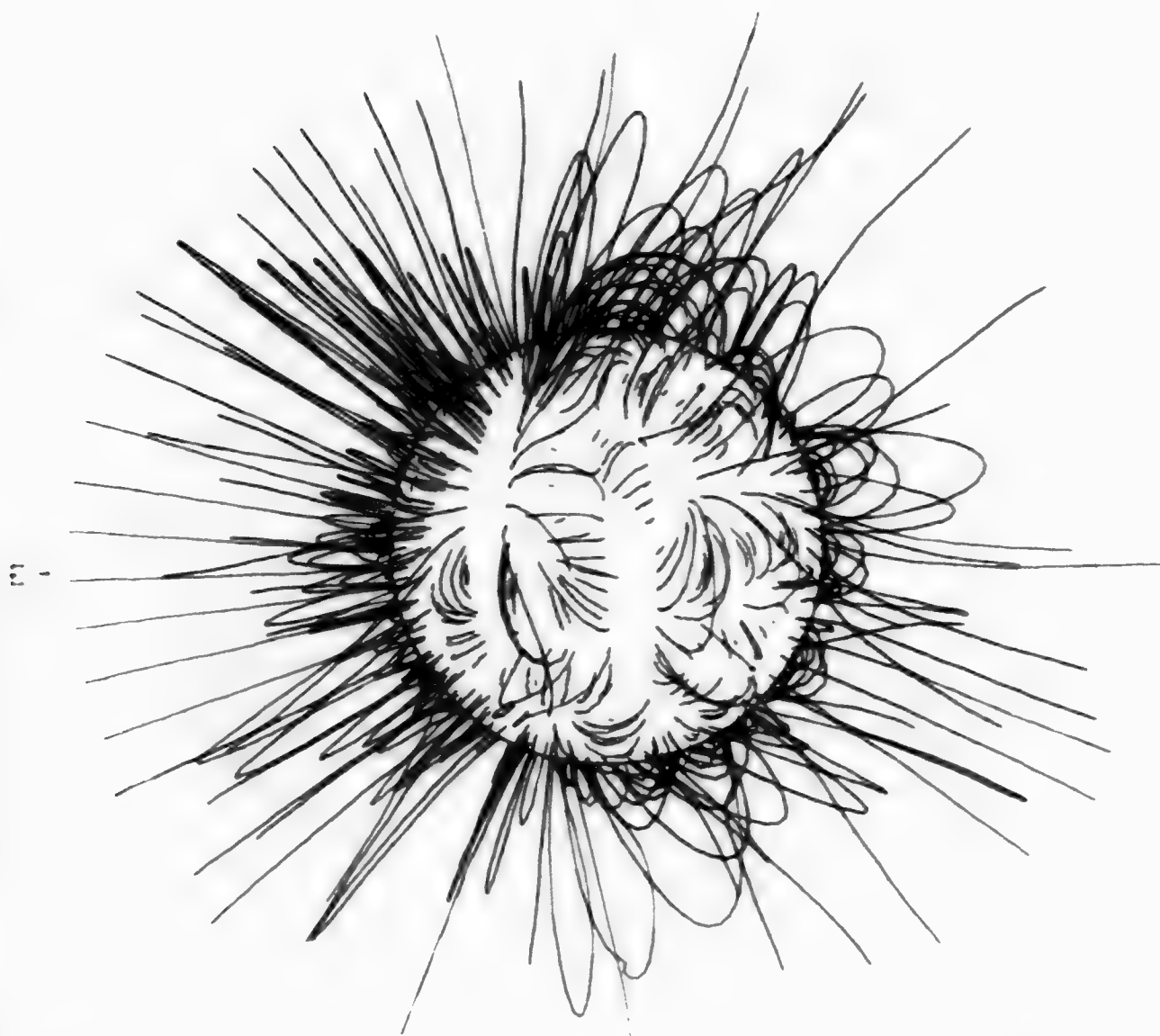
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTA RUA
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DATA 1950.47

24.6 1950.47

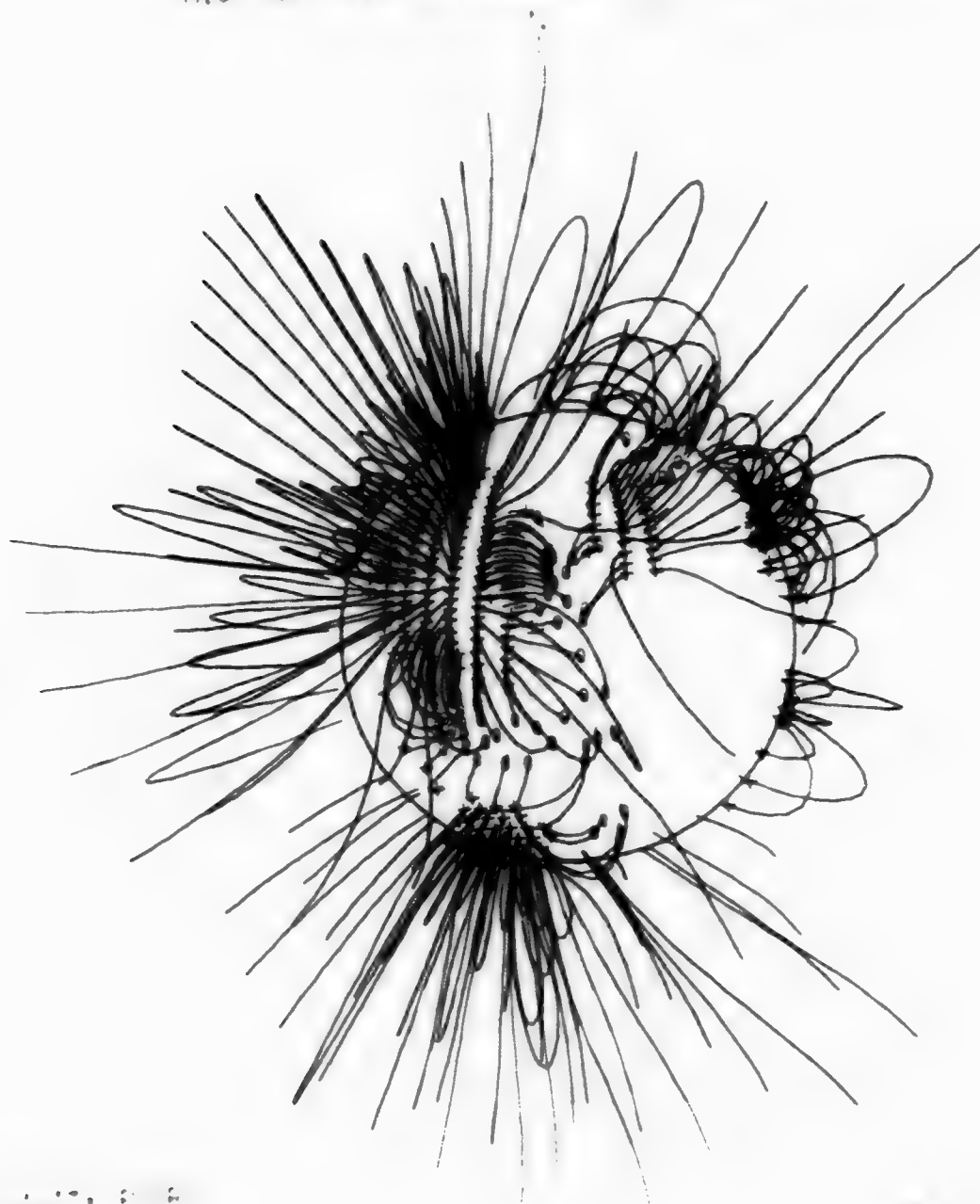
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE P. J. P.
HALE P. J. P.
HALE P. J. P.

HALE P. J. P.
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HALE P. J. P.

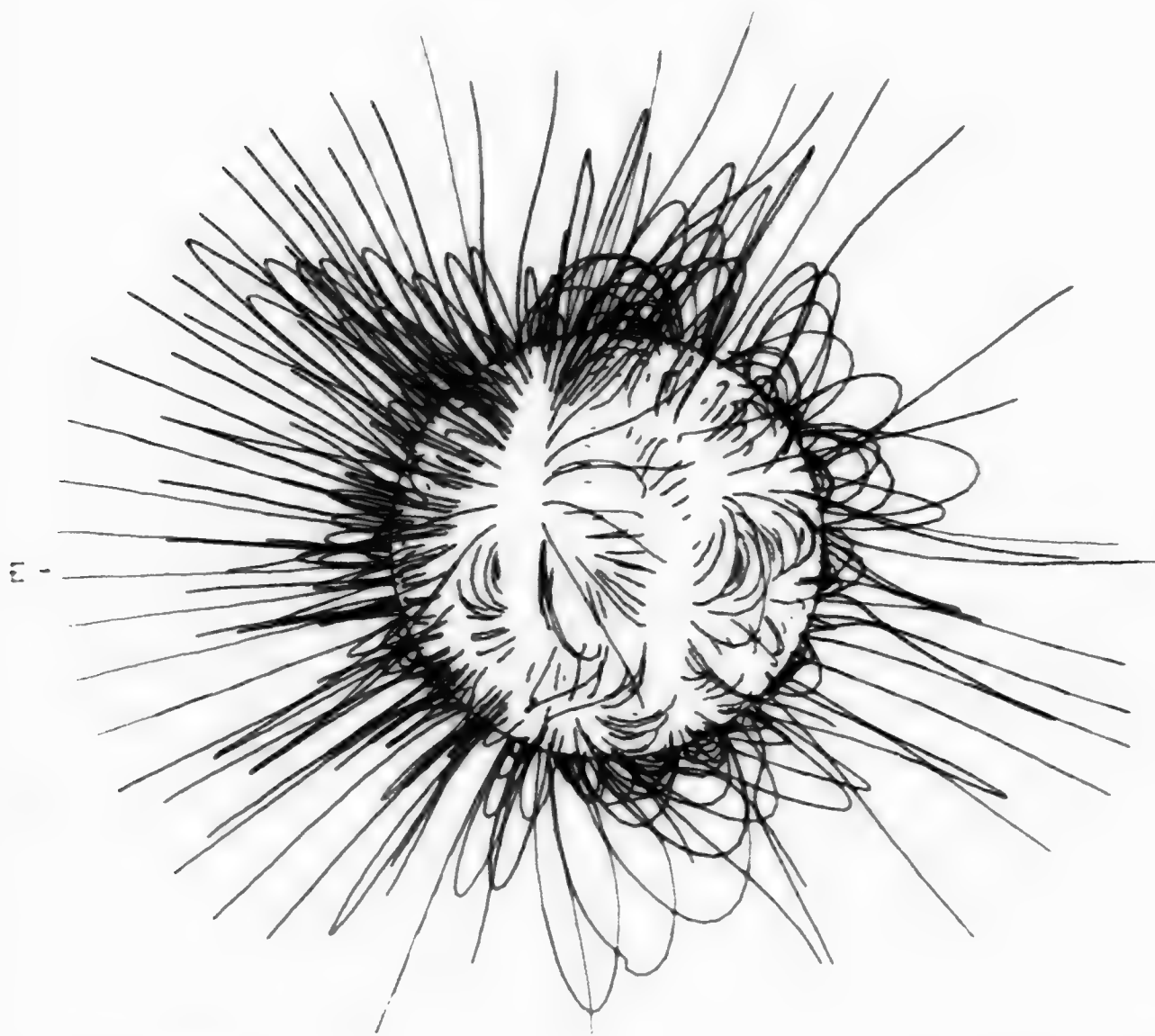
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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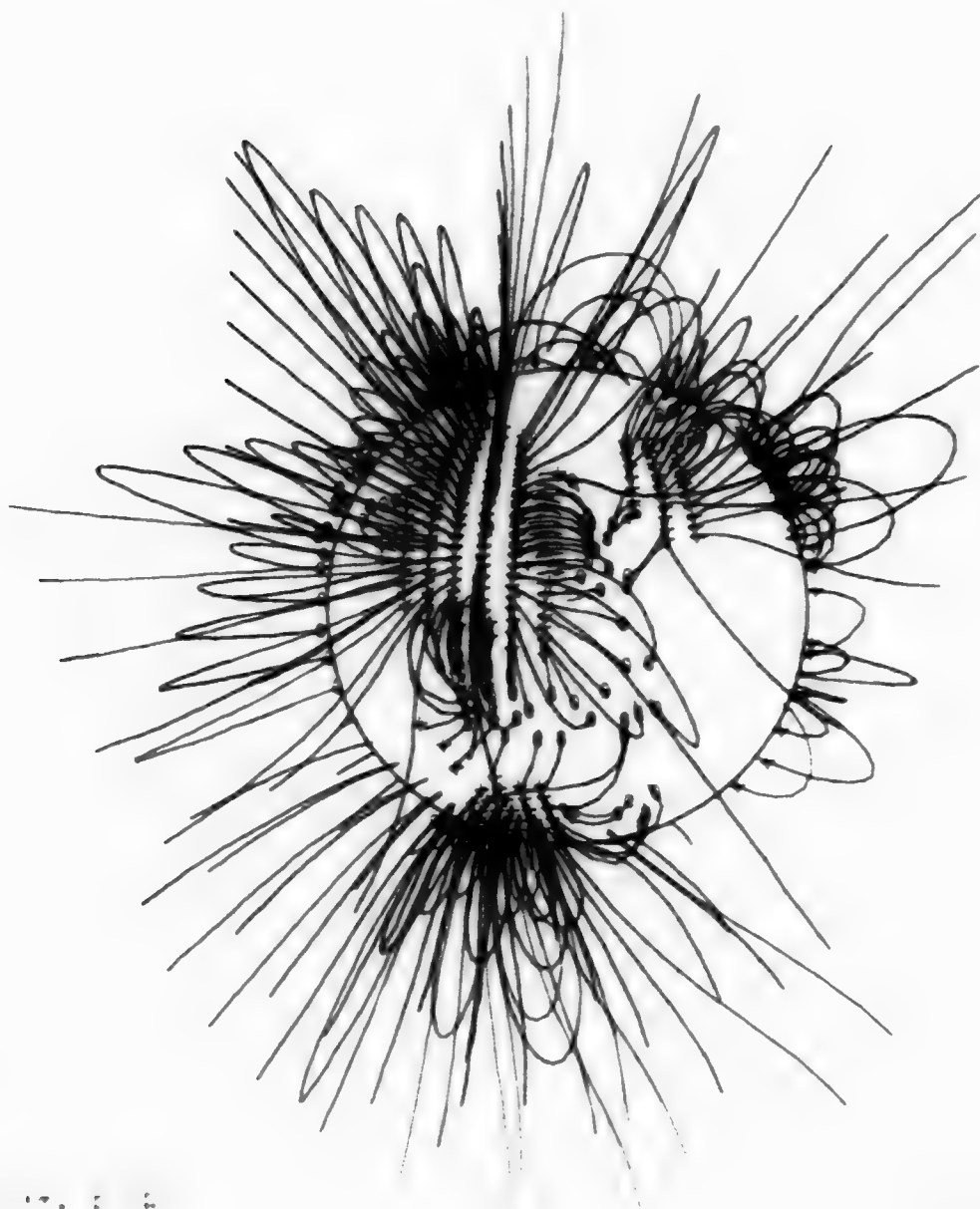
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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1902-1903

HALE OBSERVATORY
1904-1905
1906-1907

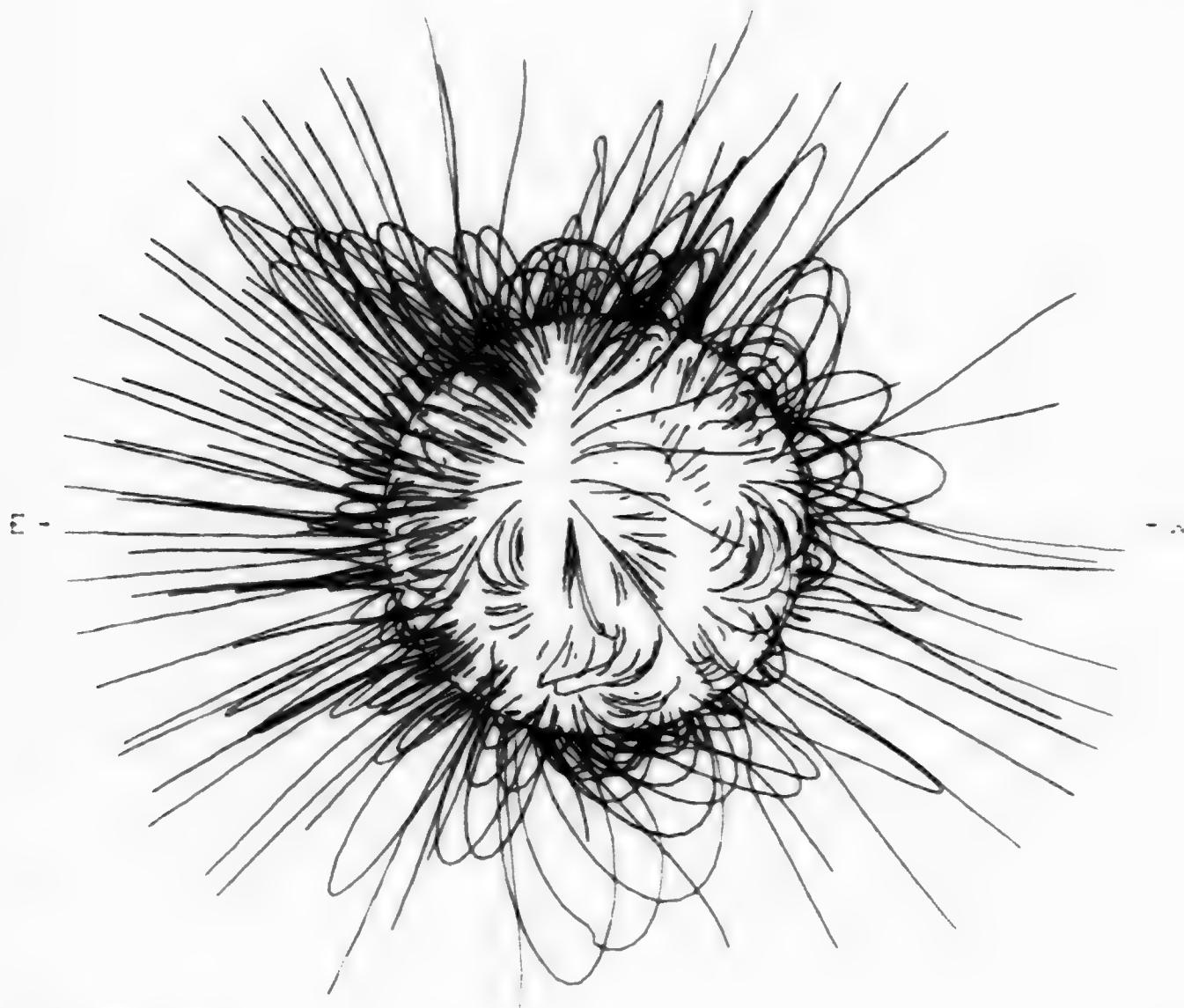
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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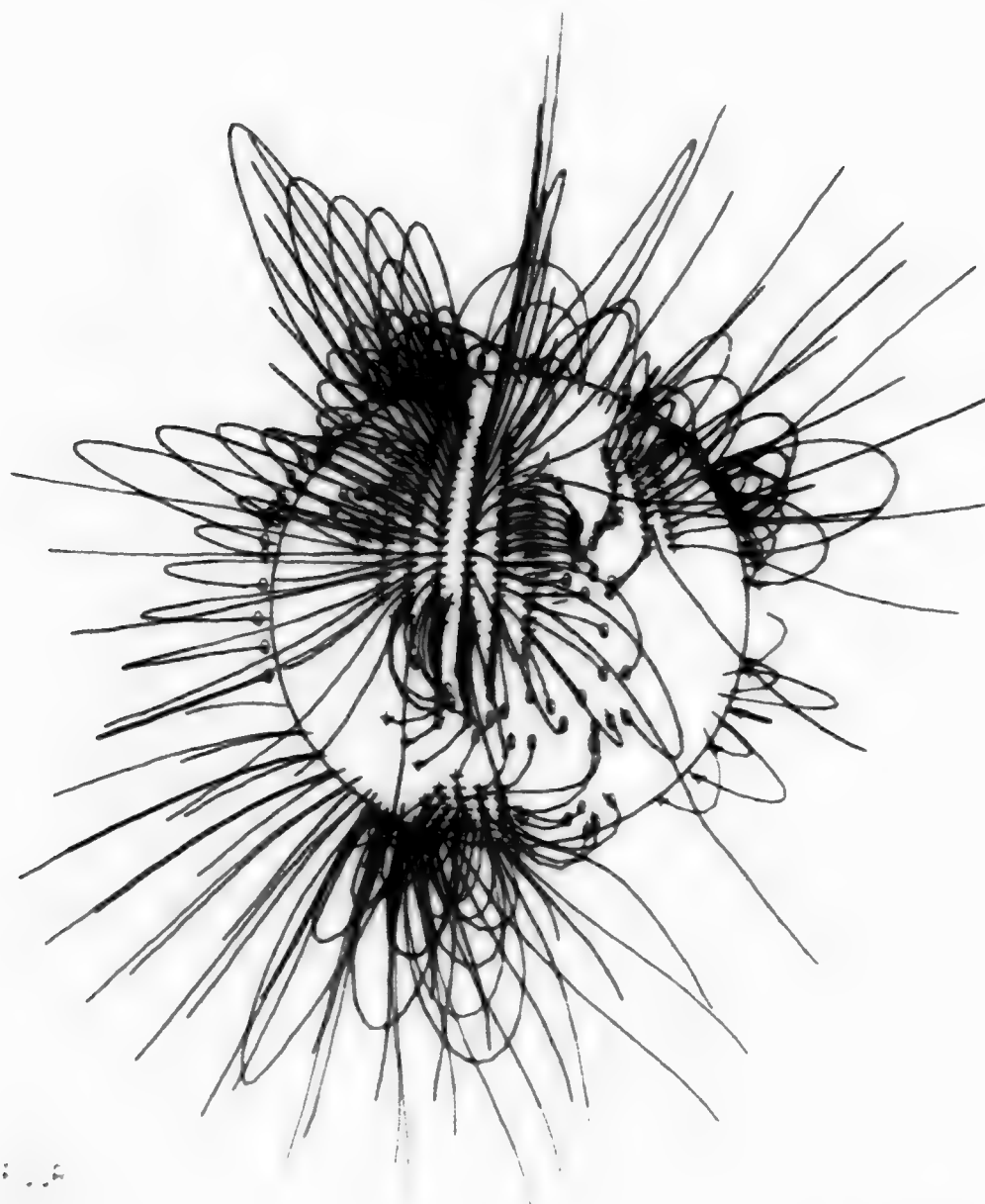
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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 DATA CENTER

HALE OBSERVATORY
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 DATA CENTER

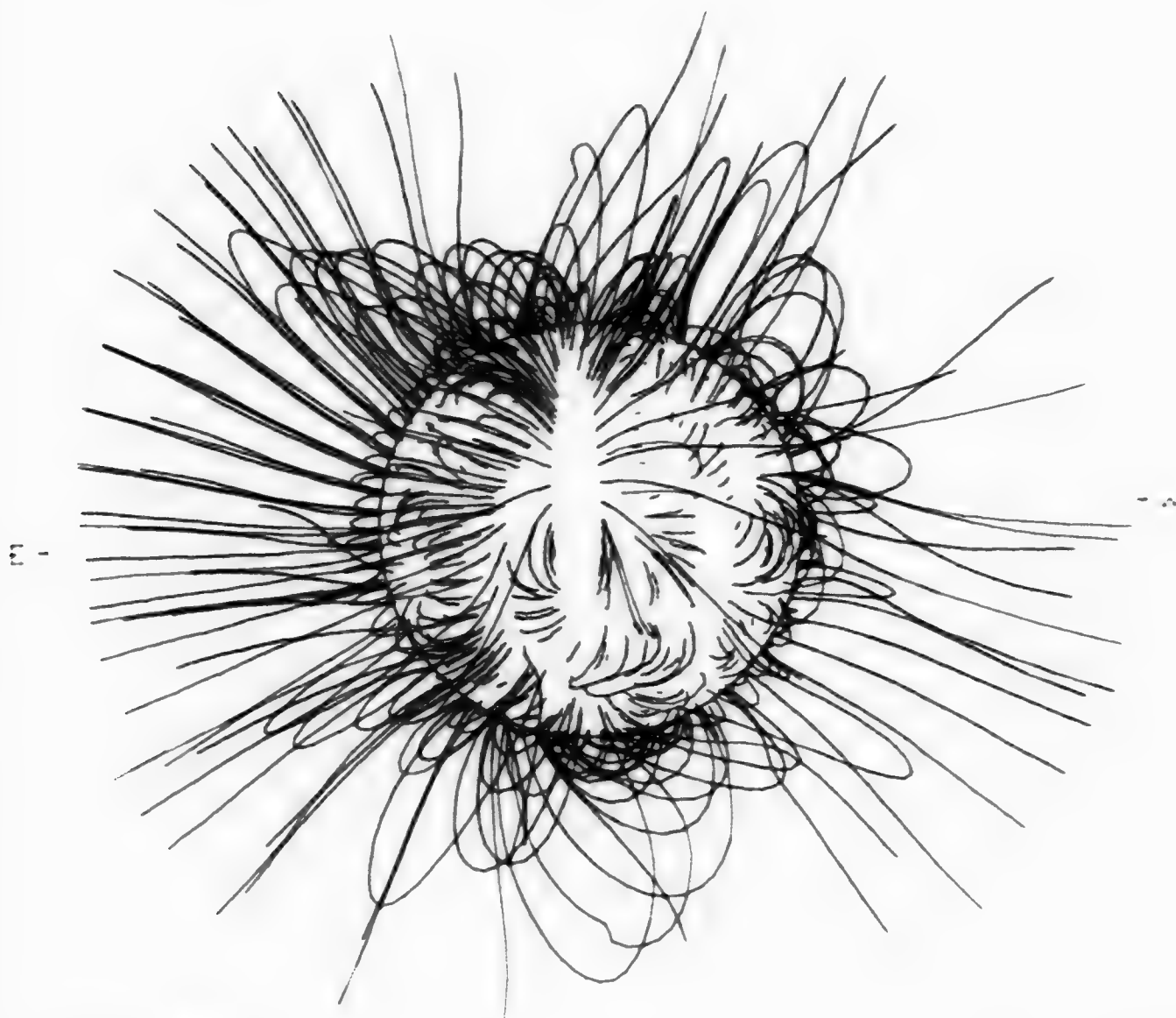
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 FILES DIRECT
 DATA WITHIN 'FOLDING'

HALE OBSERVATORY
 FILES DIRECT
 DATA WITHIN 'FOLDING'

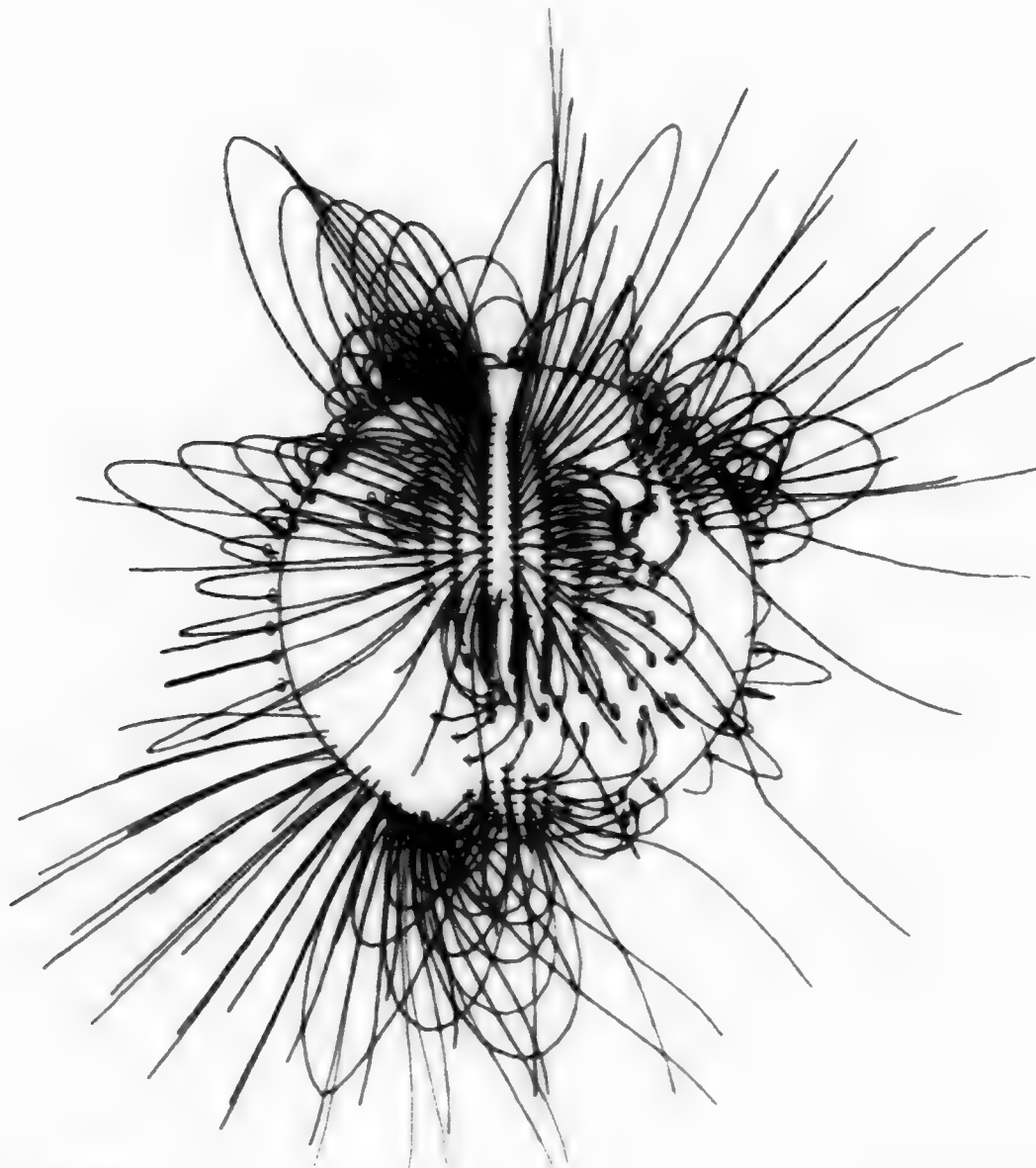
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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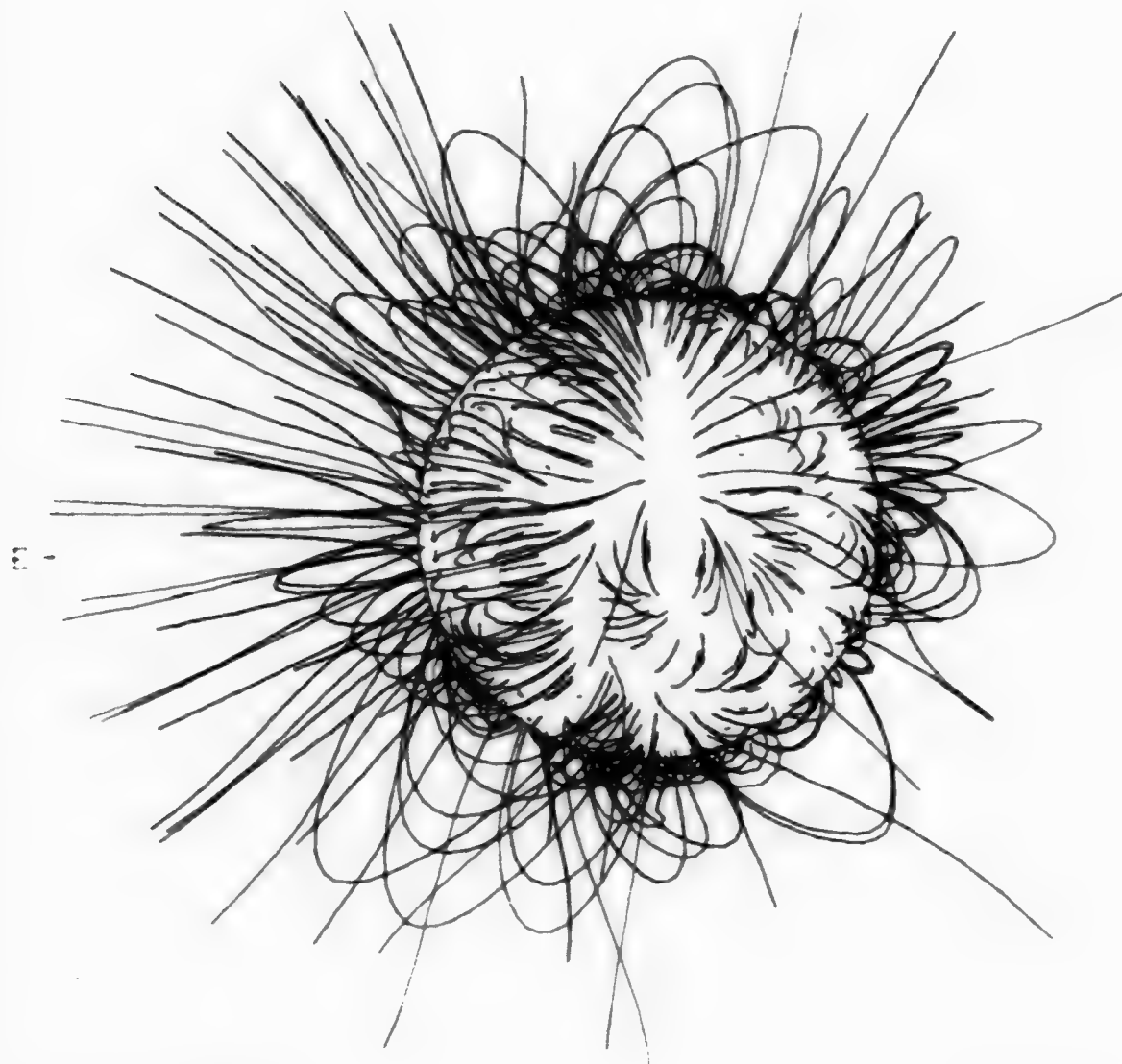
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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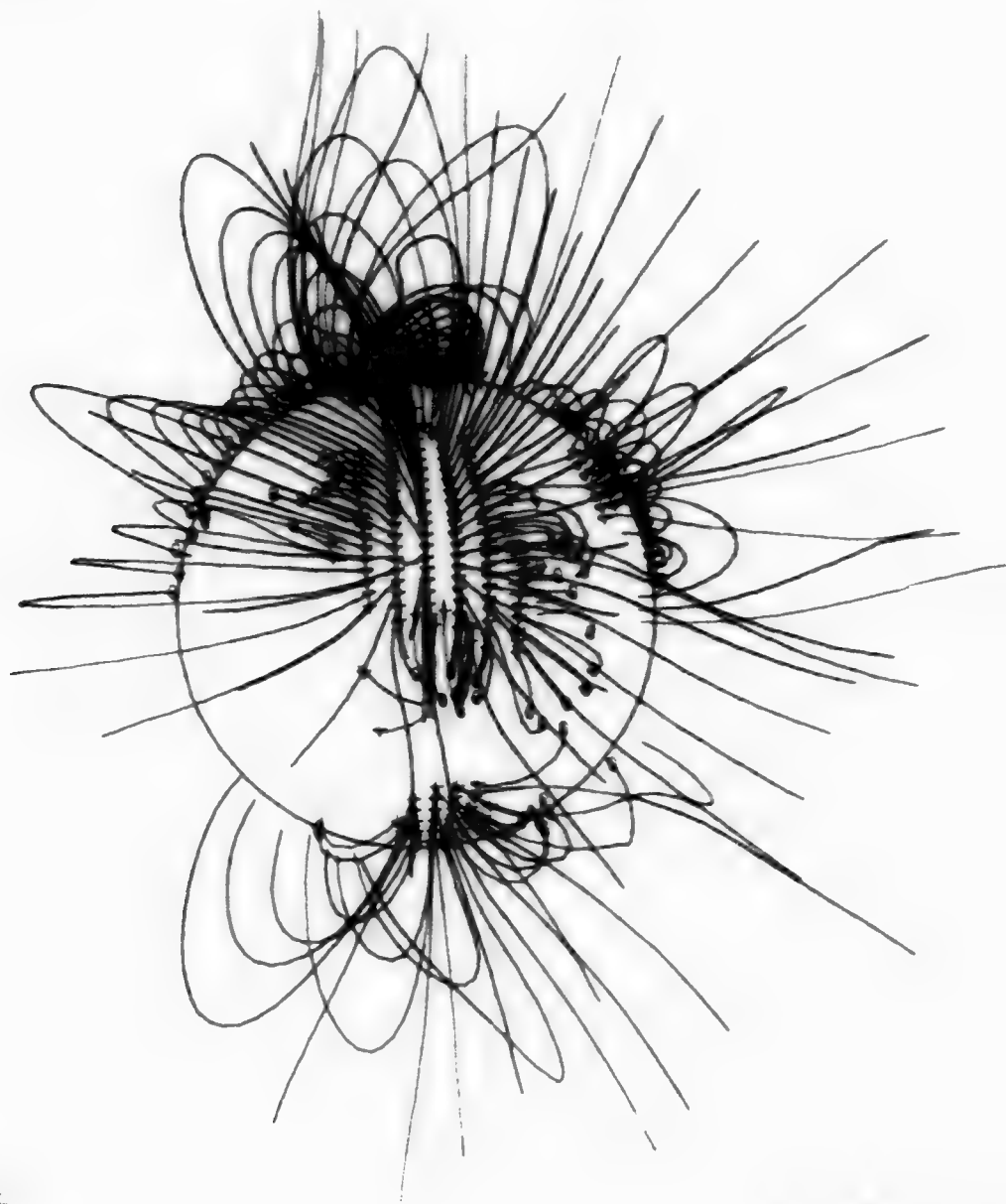
HIGH ALTITUDE OBSERVATIONS - HALE OBSERVATIONS



HALE OBSERVATIONS
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HALE OBSERVATIONS

HALE OBSERVATIONS
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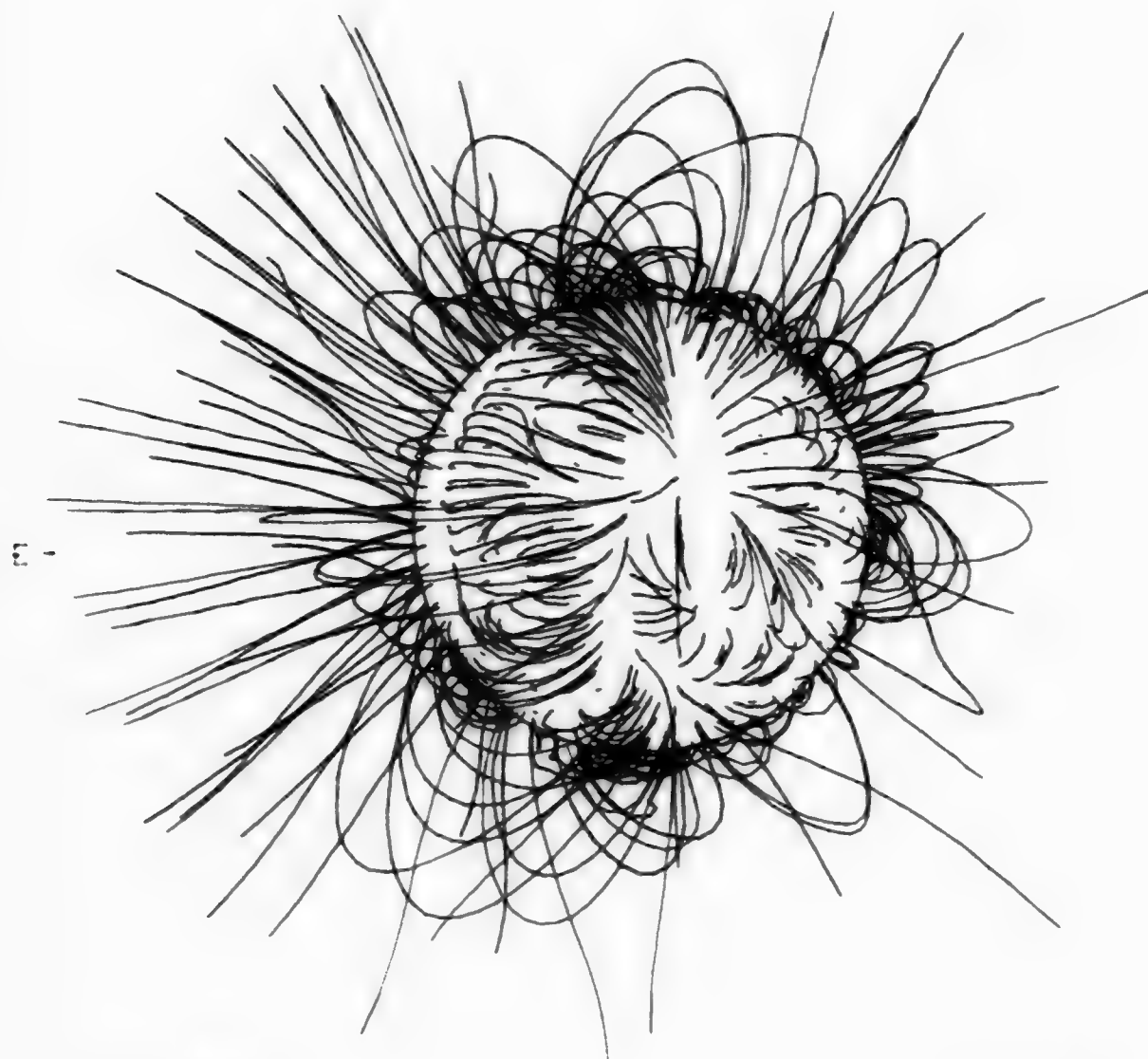
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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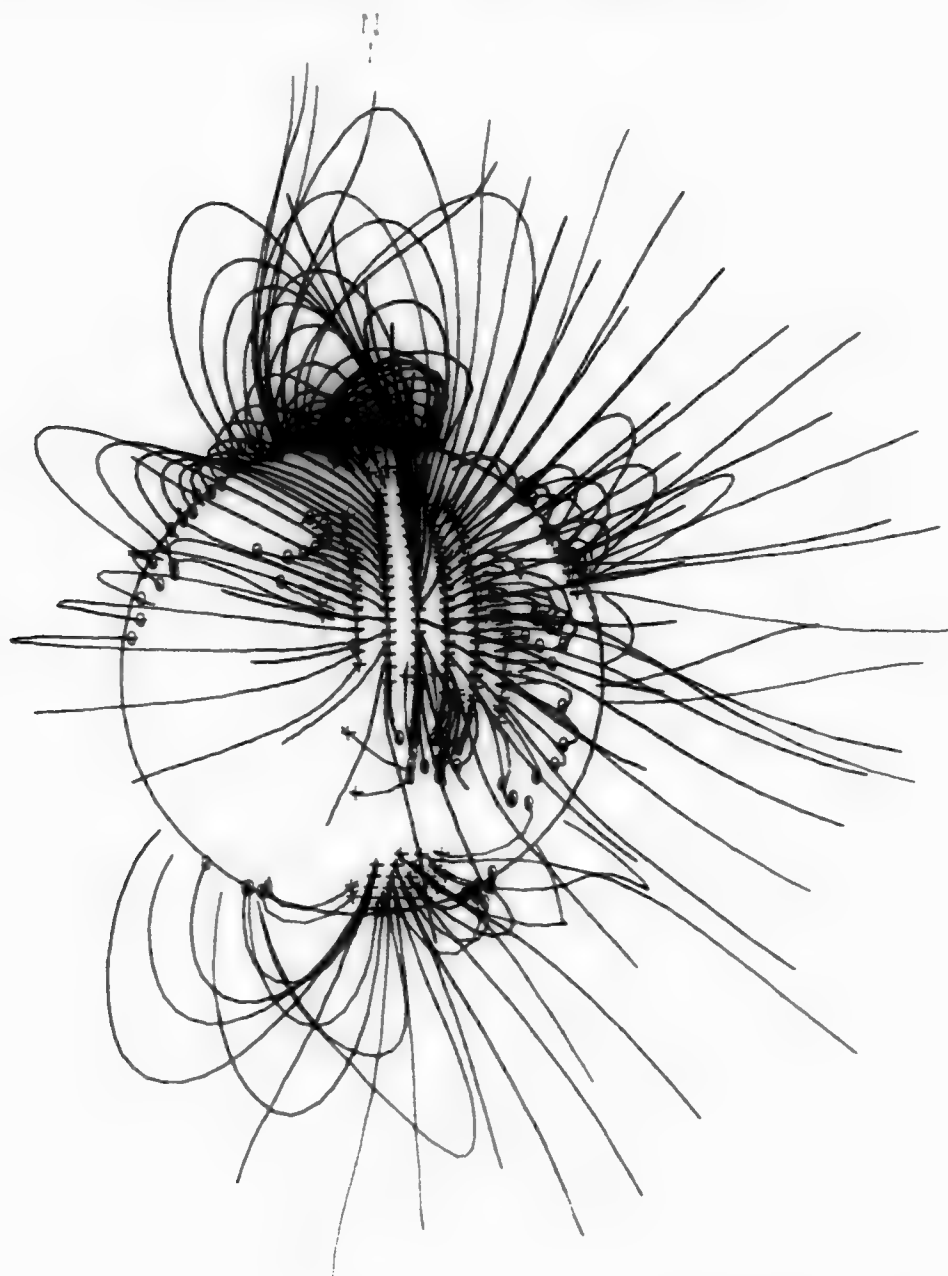
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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SUN OBSERVATORY
SUN OBSERVATORY

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SUN OBSERVATORY

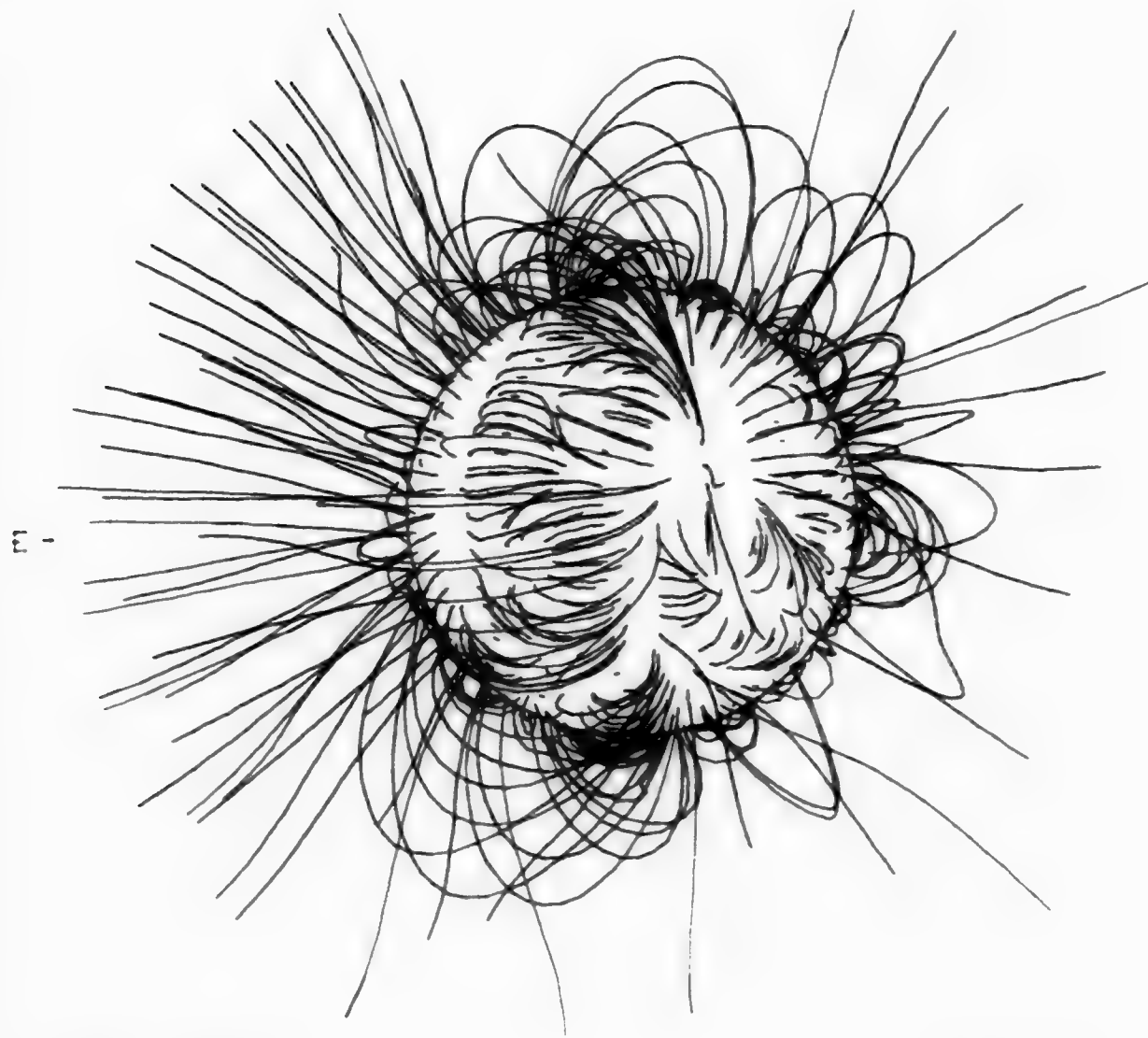
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 FILES DIRECT
 DATA ANALYSIS SECTION

HALE OBSERVATORY
 DATA ANALYSIS SECTION

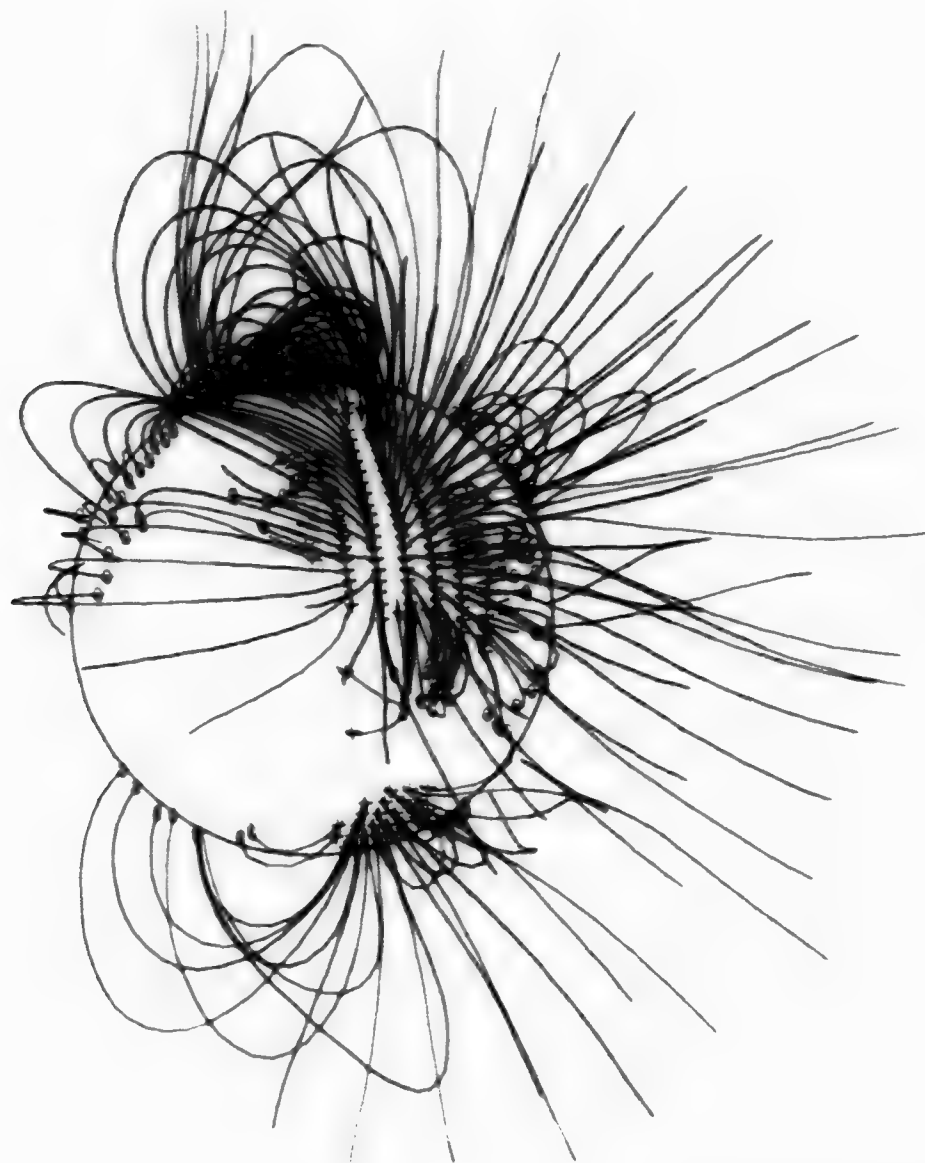
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PLEIADAE
 DATA AREA 100...

HALE OBSERVATORY
 PLEIADAE
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

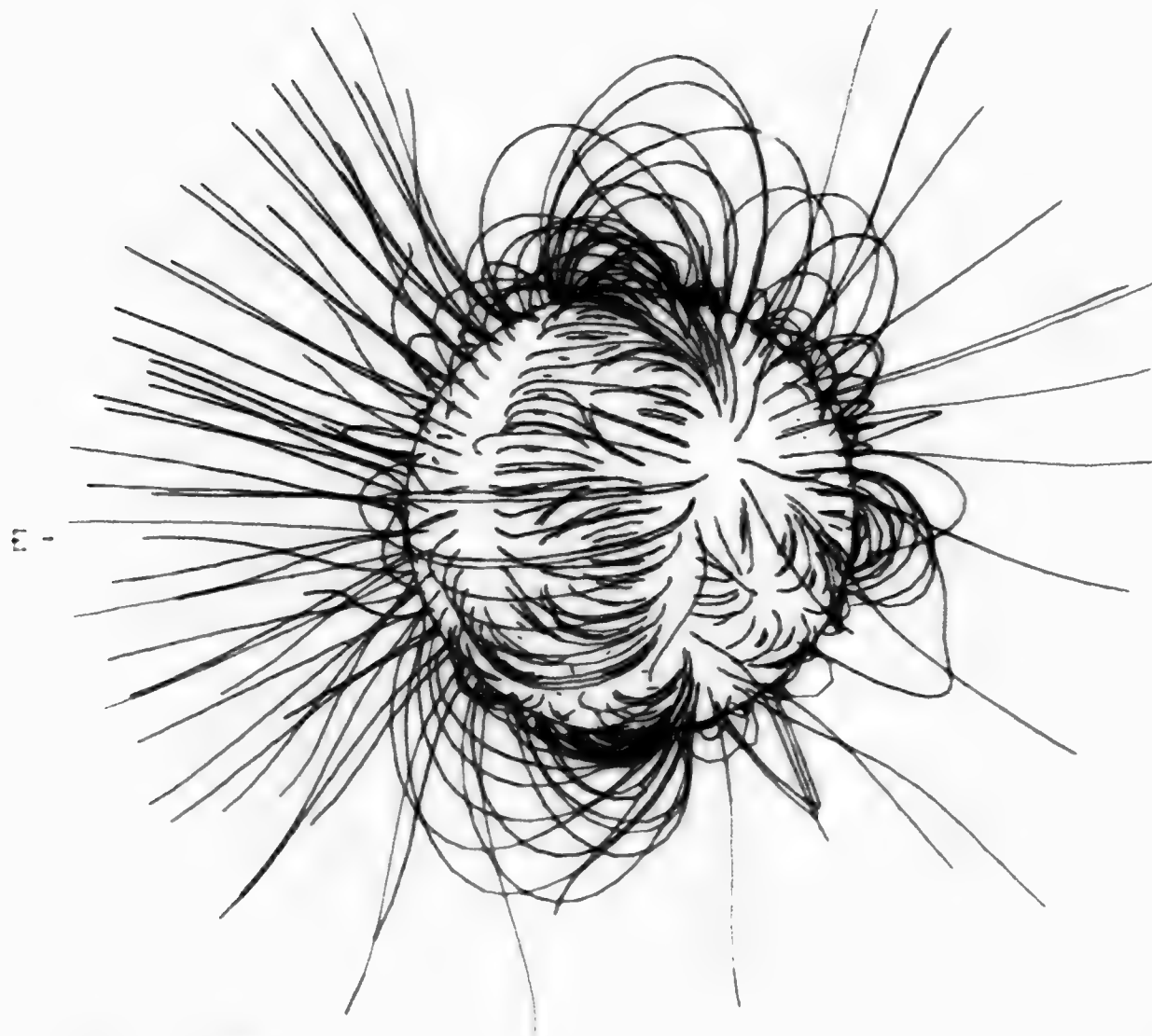


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HALE OBSERVATORY
 1917-1918
 1919-1920

HALE OBSERVATORY
 1917-1918
 1919-1920

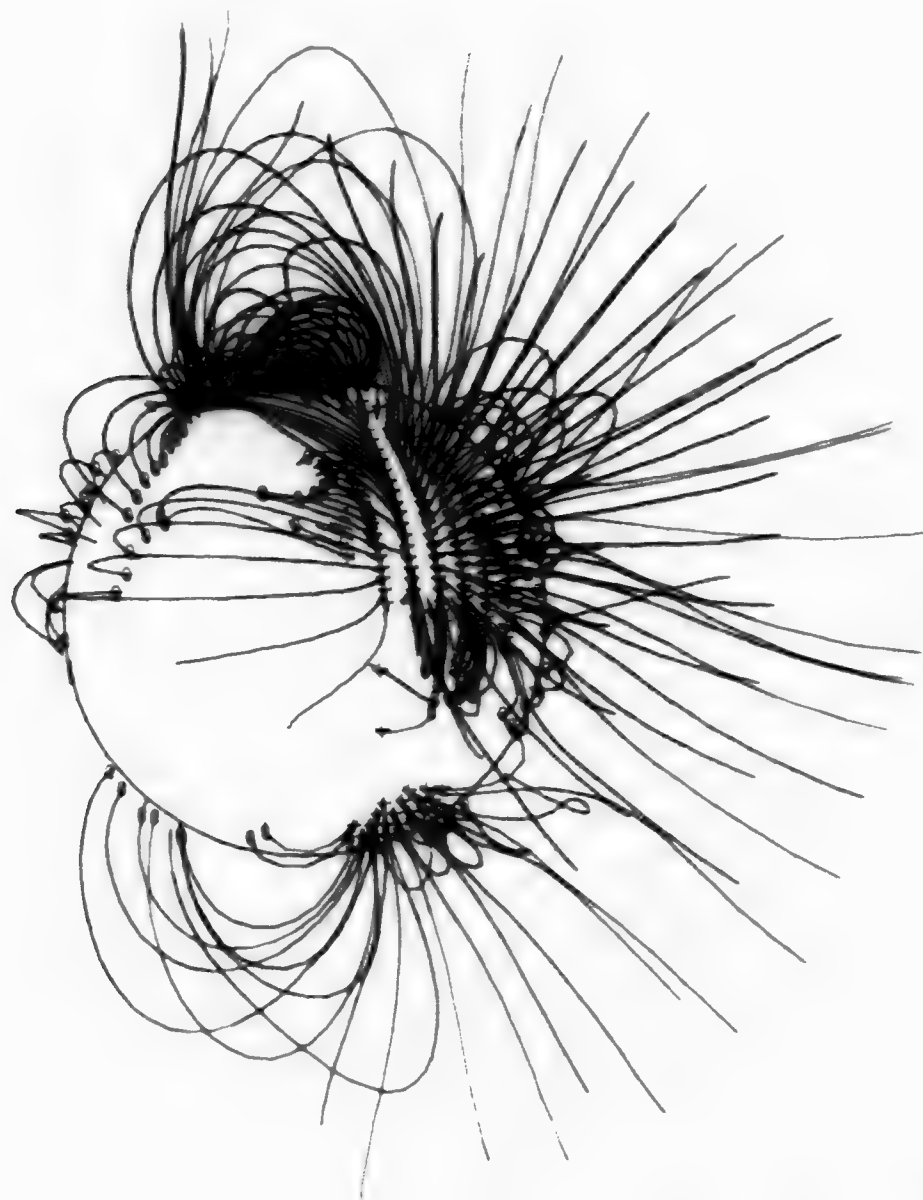
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PAGES DIRECT
DATA WITHIN 100000

HALE OBSERVATORY
PAGES DIRECT
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

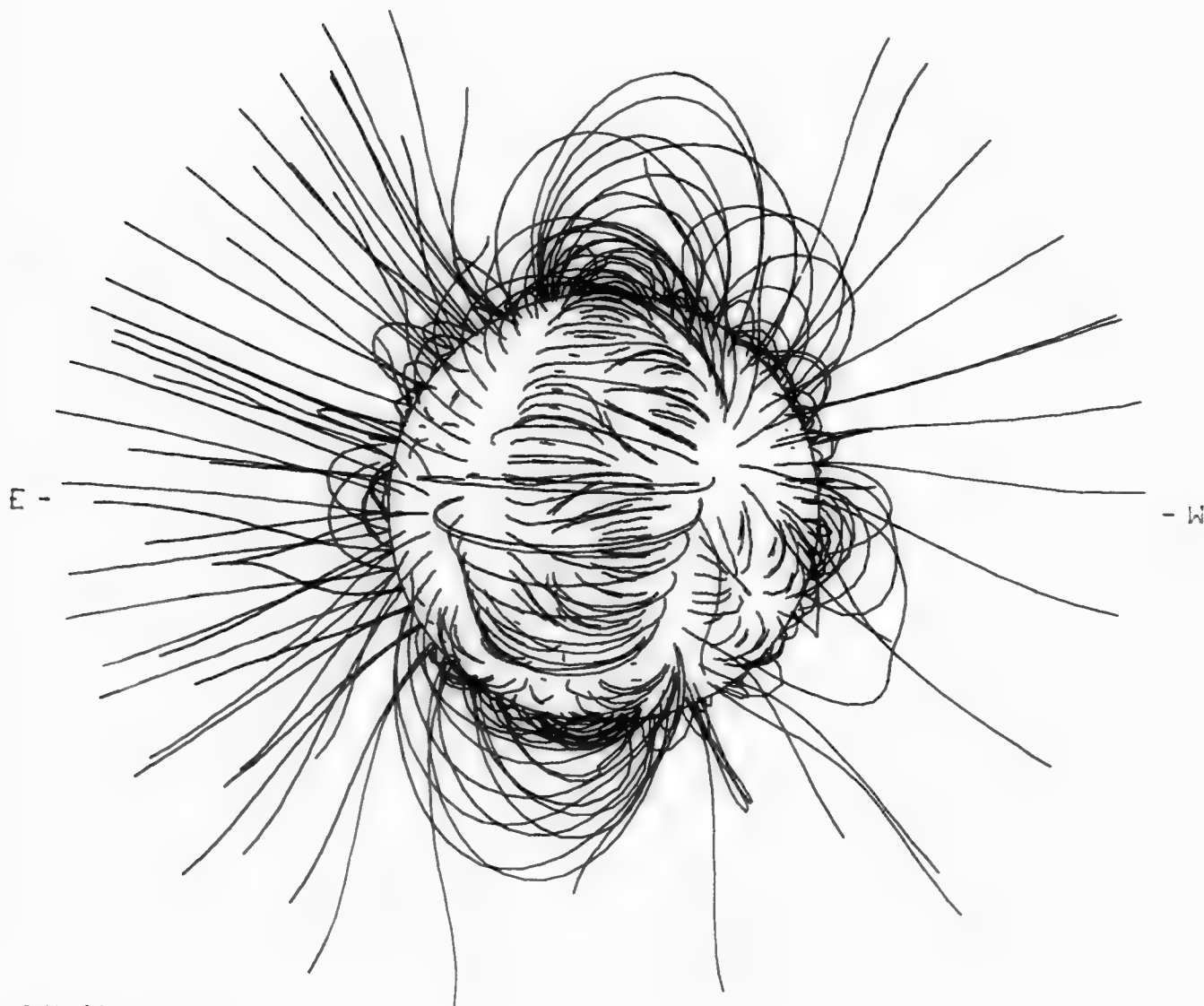


HALE OBSERVATORY
 HALES STREET
 1874-1875-1876...

HALE OBSERVATORY
 HALES STREET
 1874-1875-1876...

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY POOR

POLES DIRECT

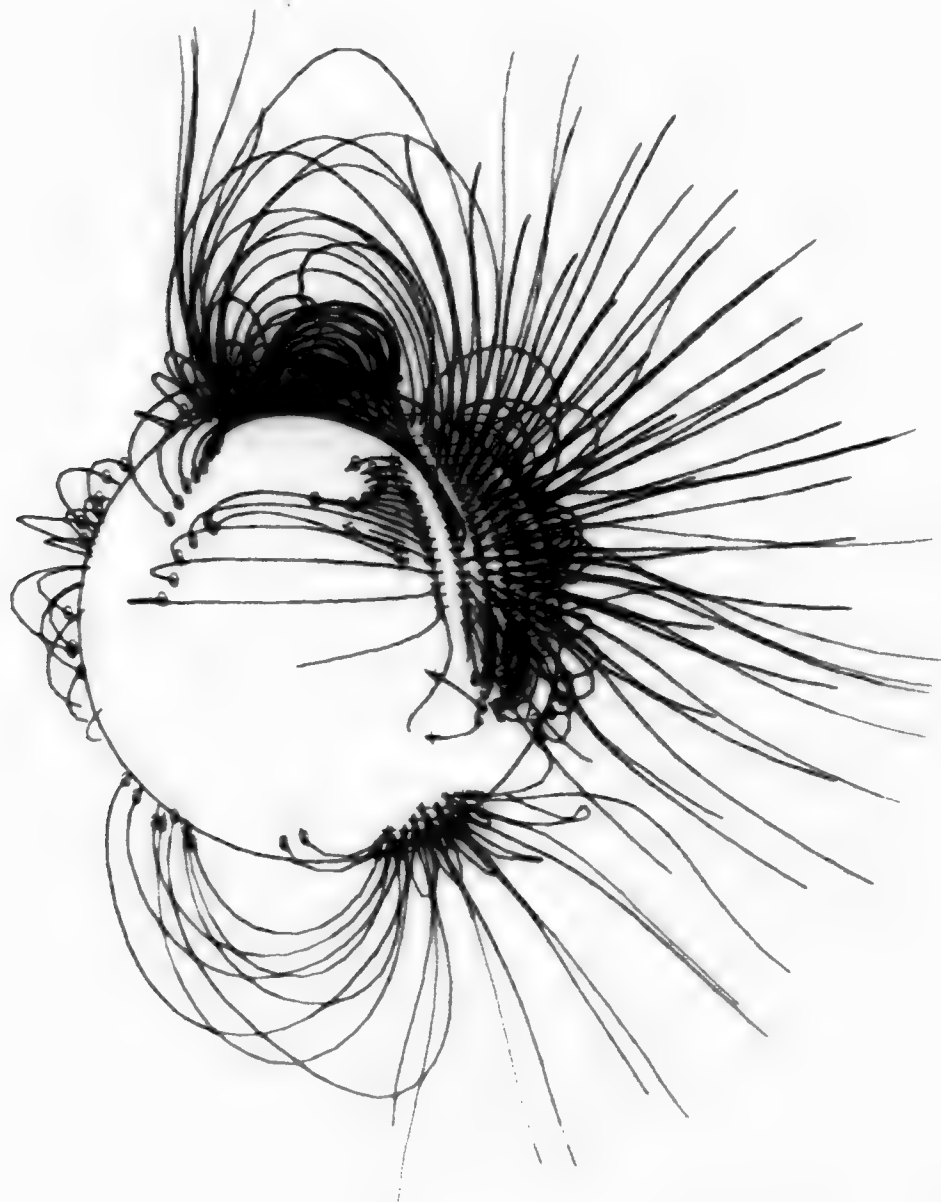
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5.5 NOV 1967

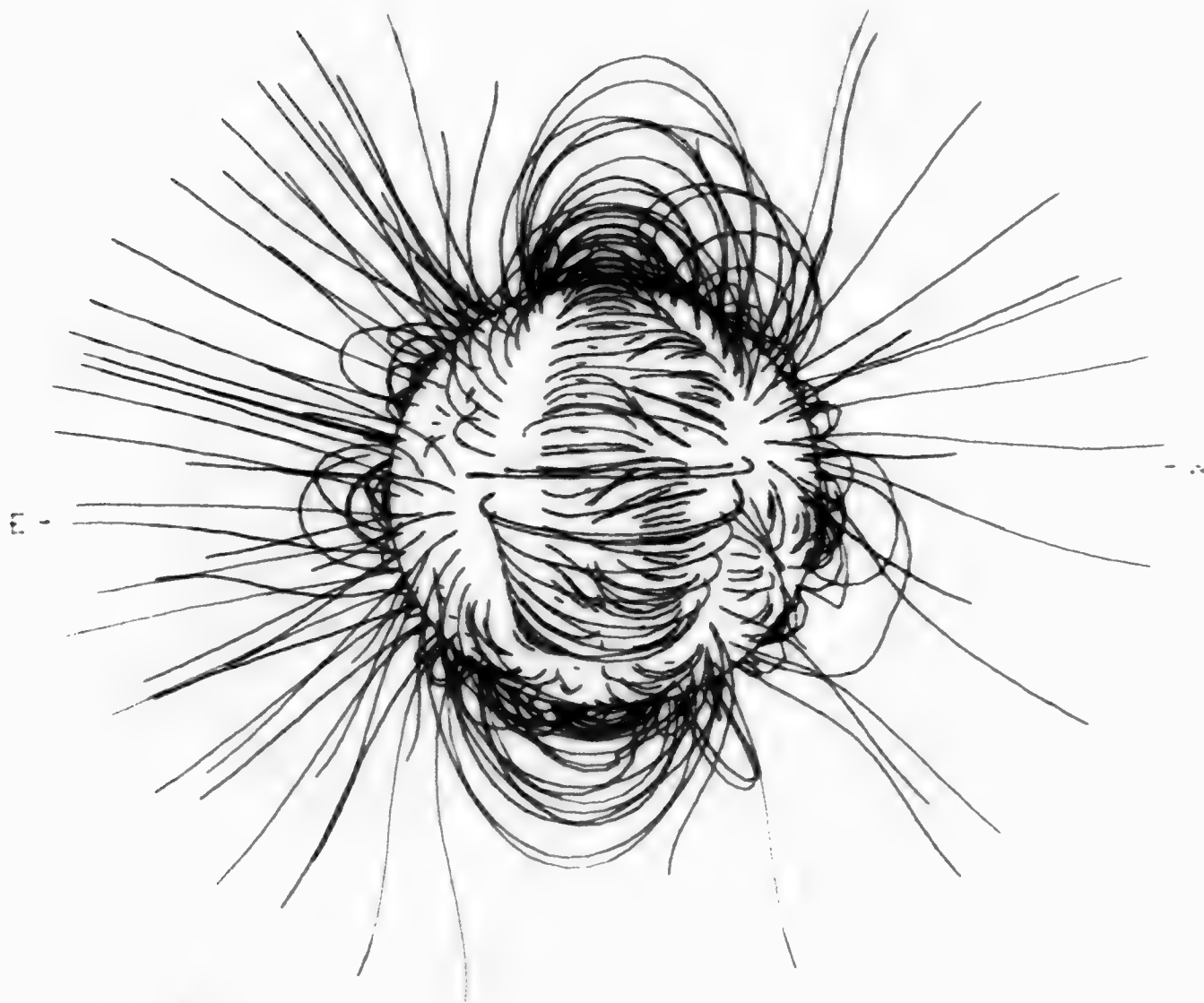
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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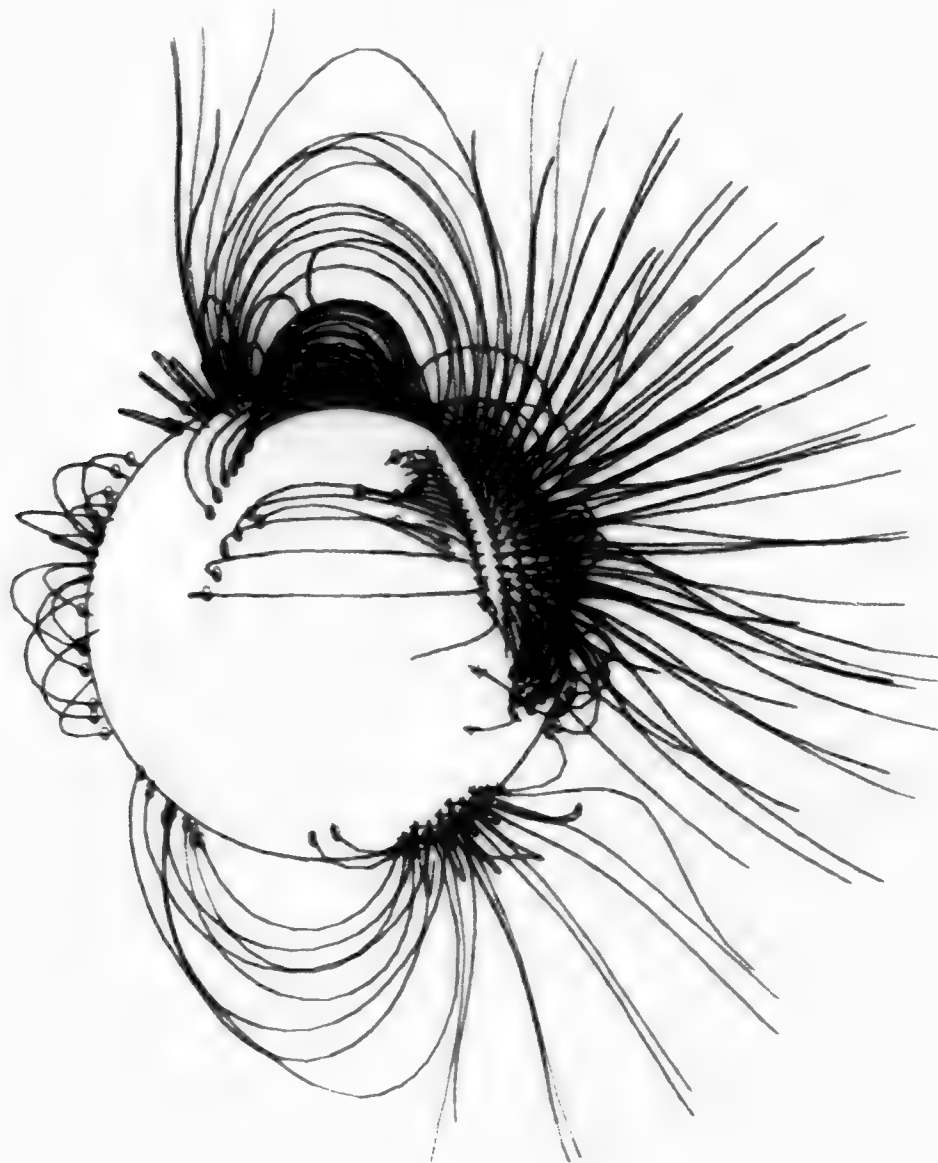
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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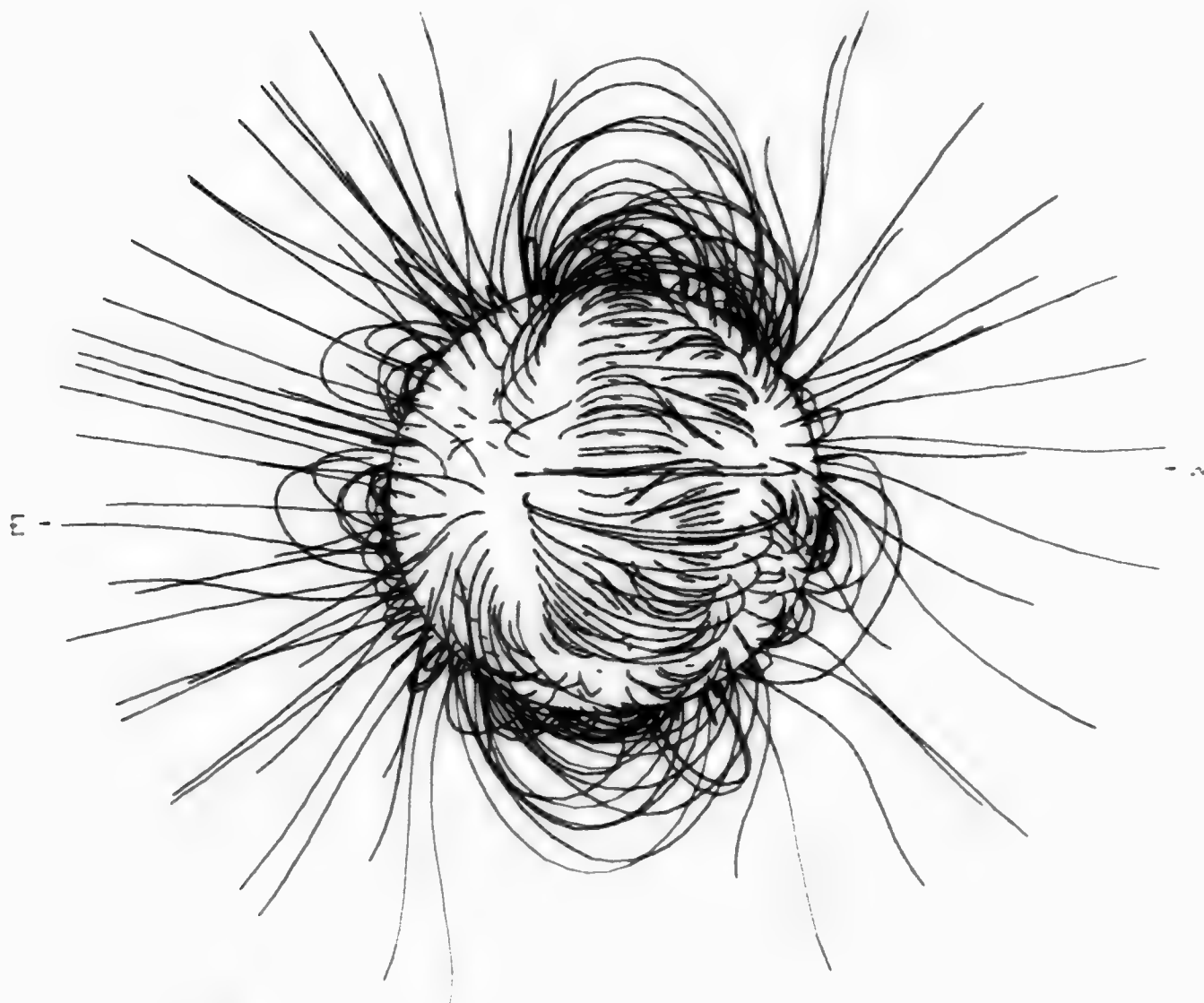
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

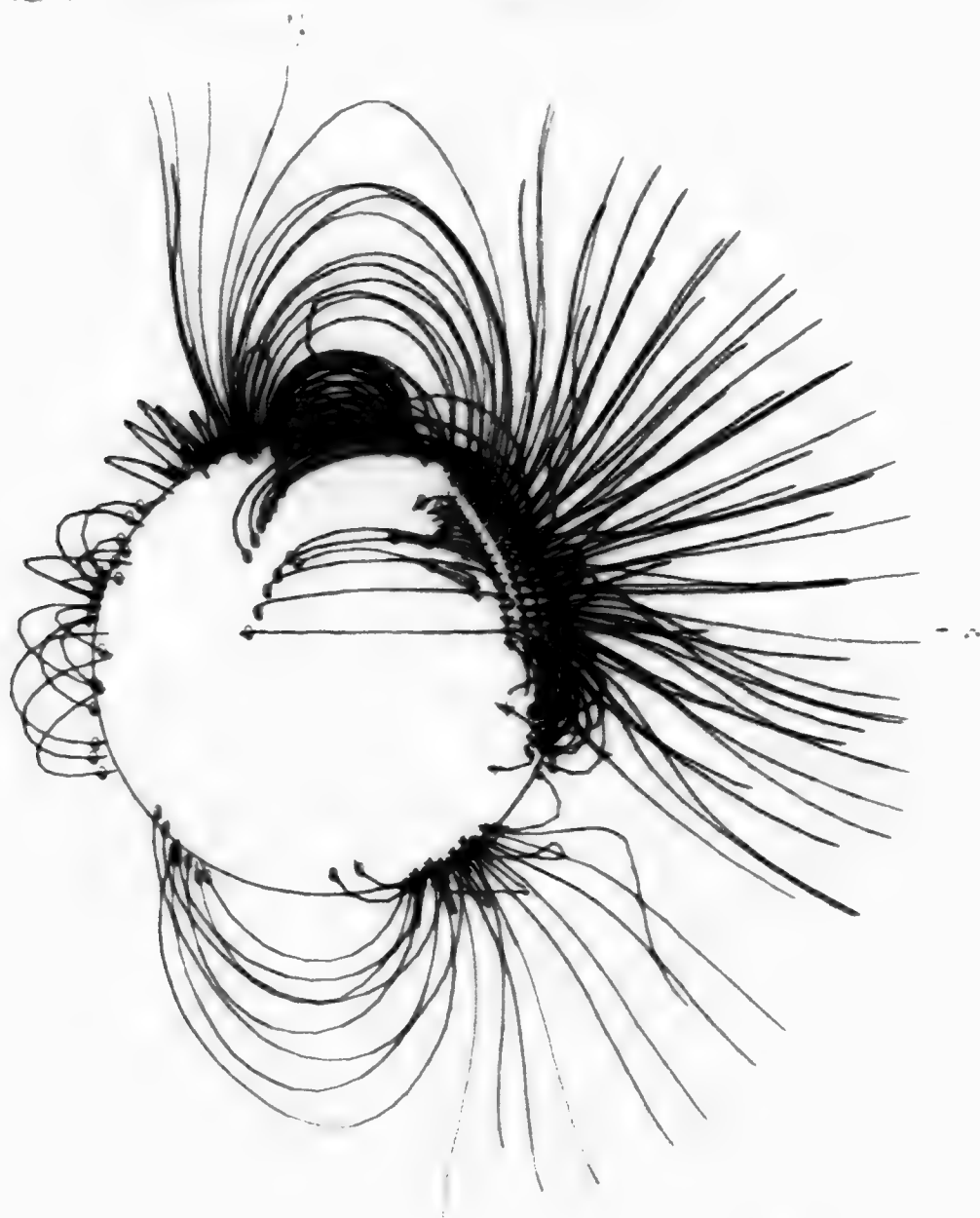
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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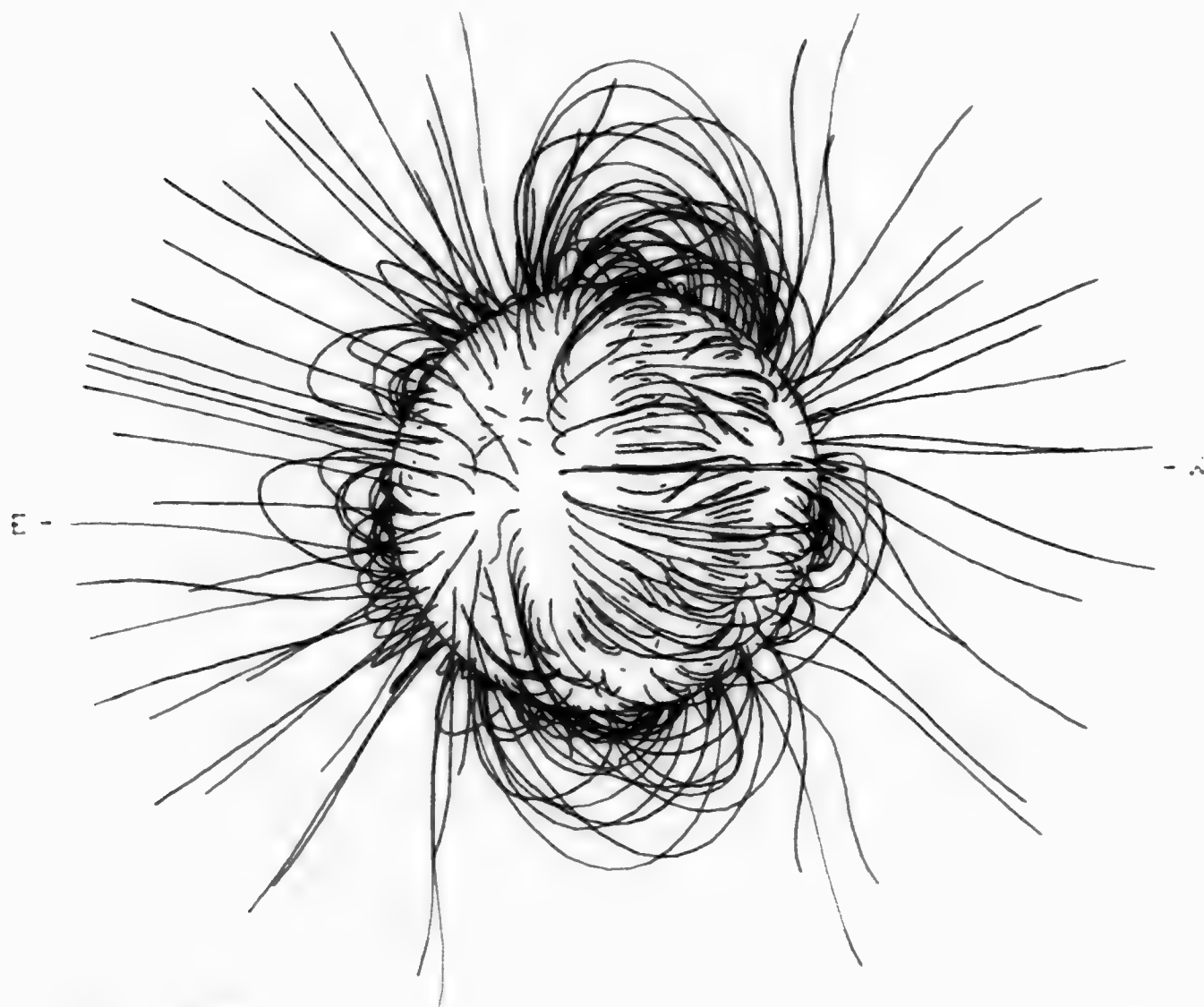
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1917-1918
 DATA AND CALCULATIONS

HALE OBSERVATORY
 1917-1918
 DATA AND CALCULATIONS

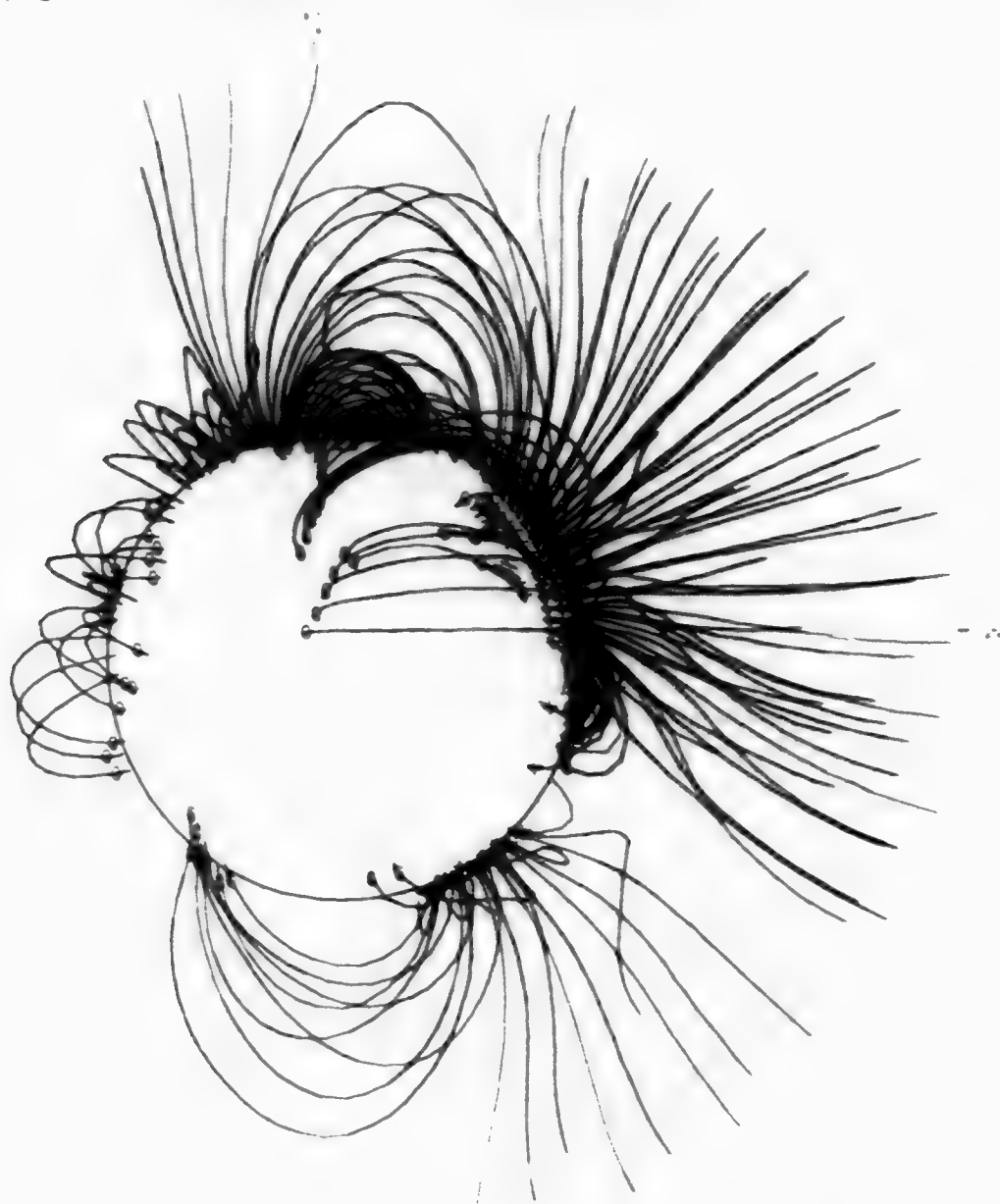
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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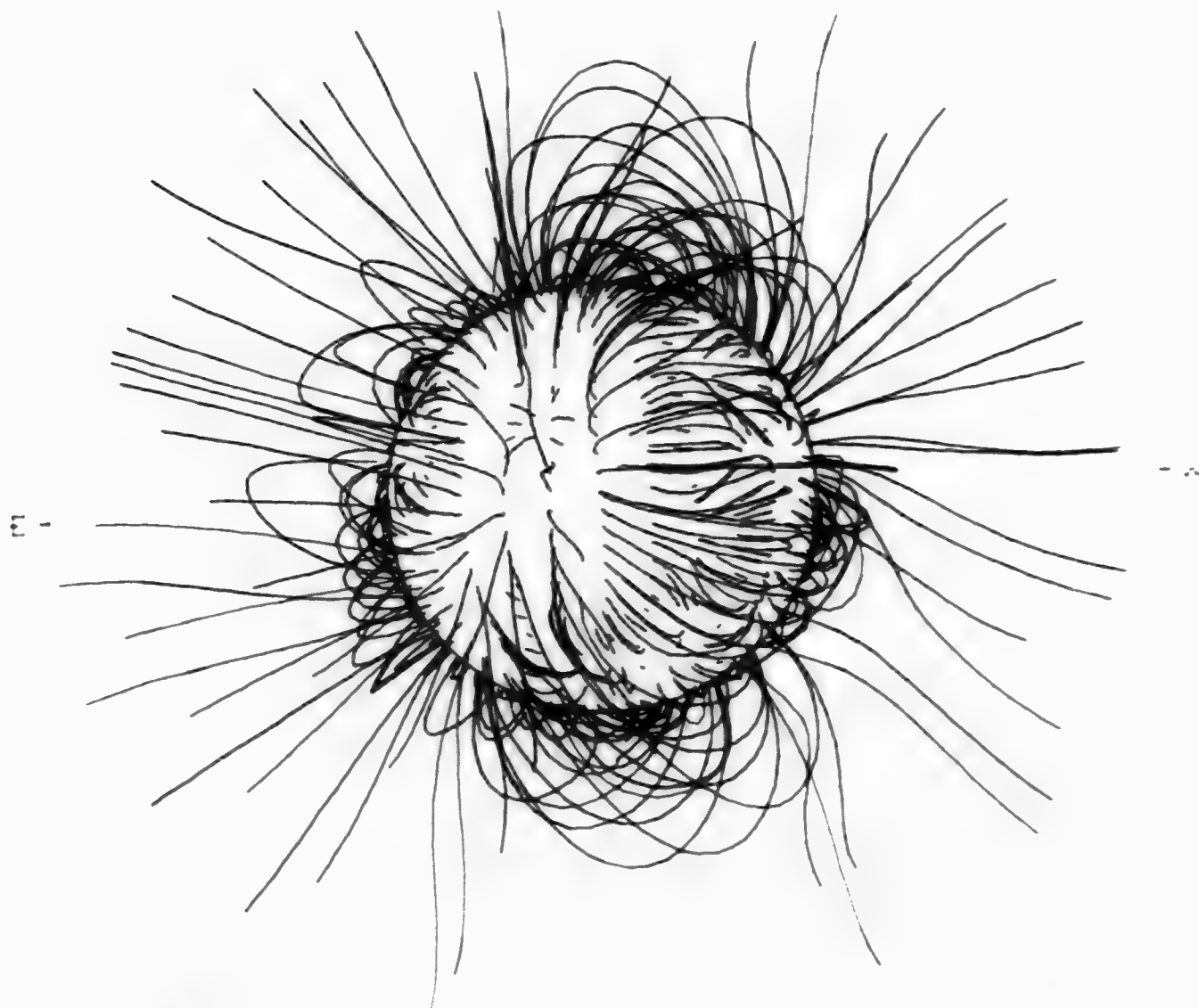
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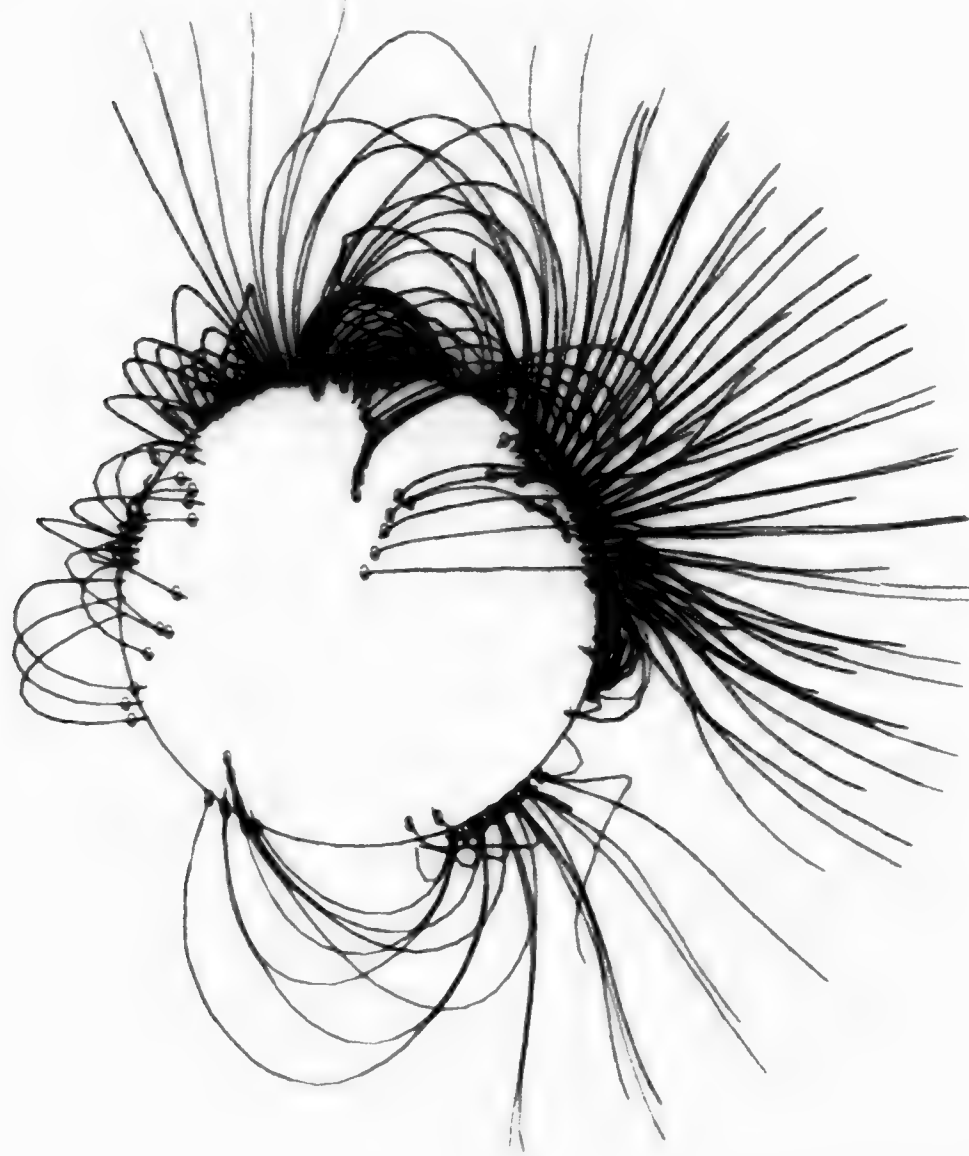
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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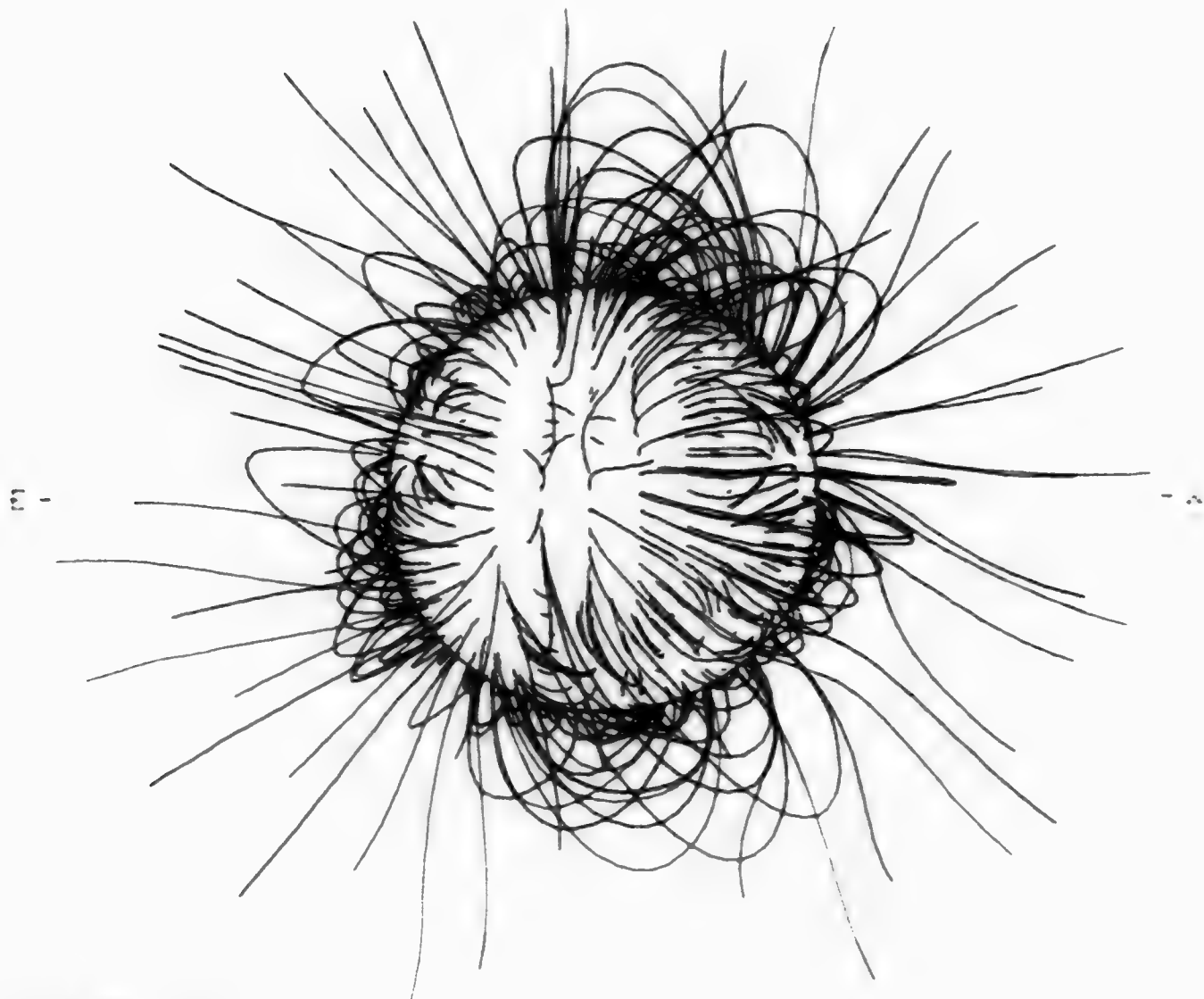
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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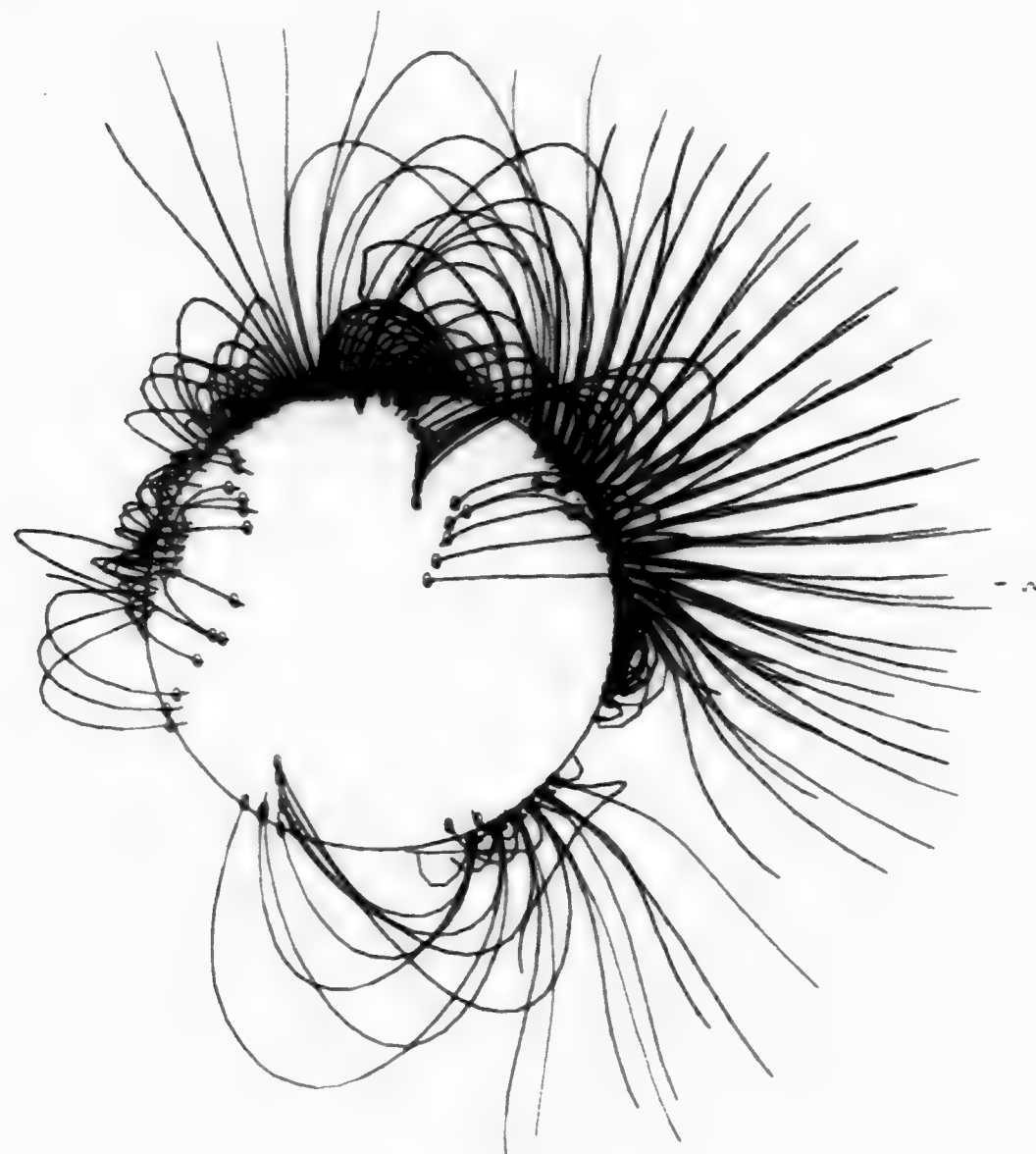
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



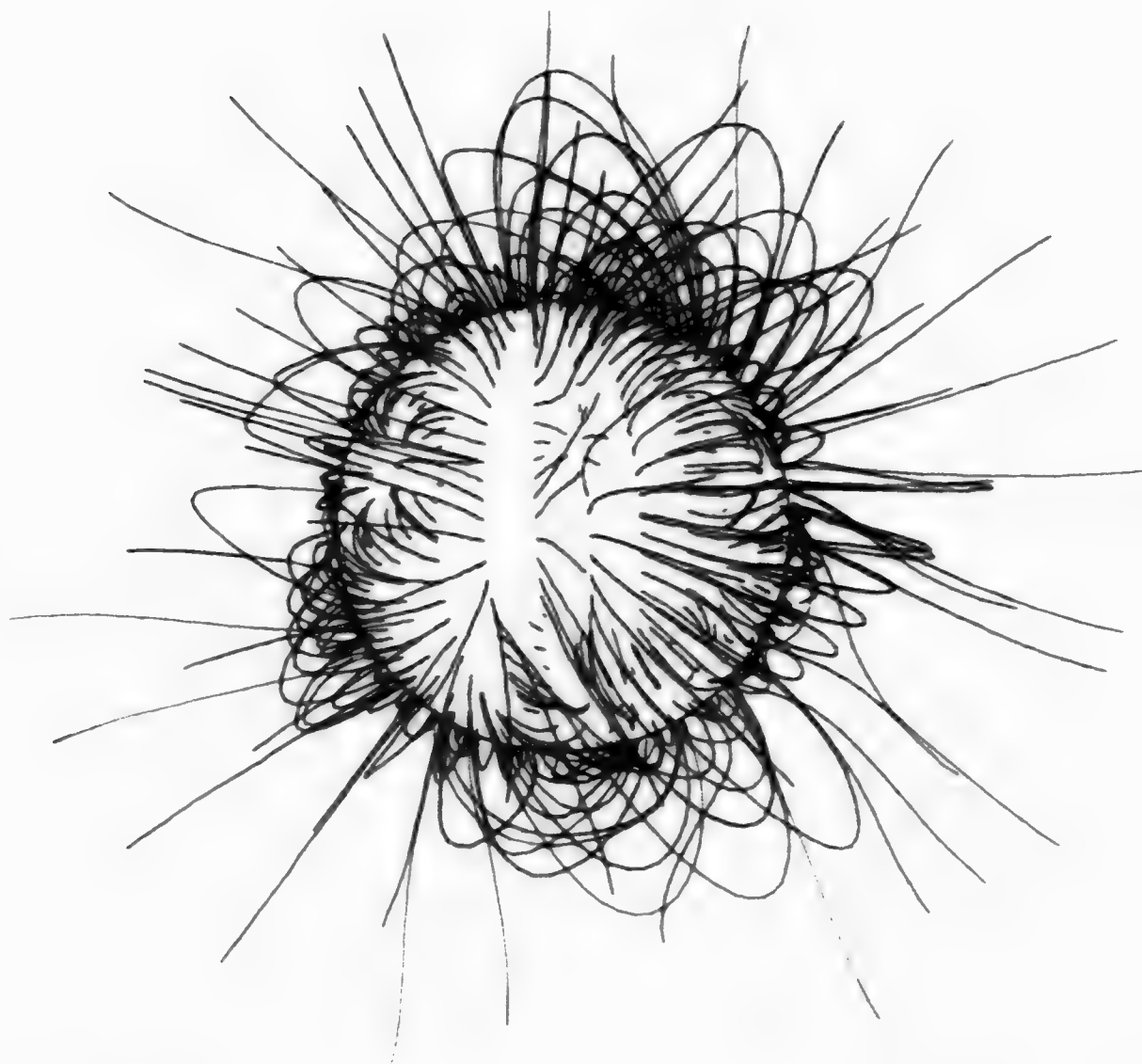
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HALE OBSERVATORY
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 DATA AND/OR INFO.

HALE OBSERVATORY
 PAGES DIRECT
 DATA AND/OR INFO.

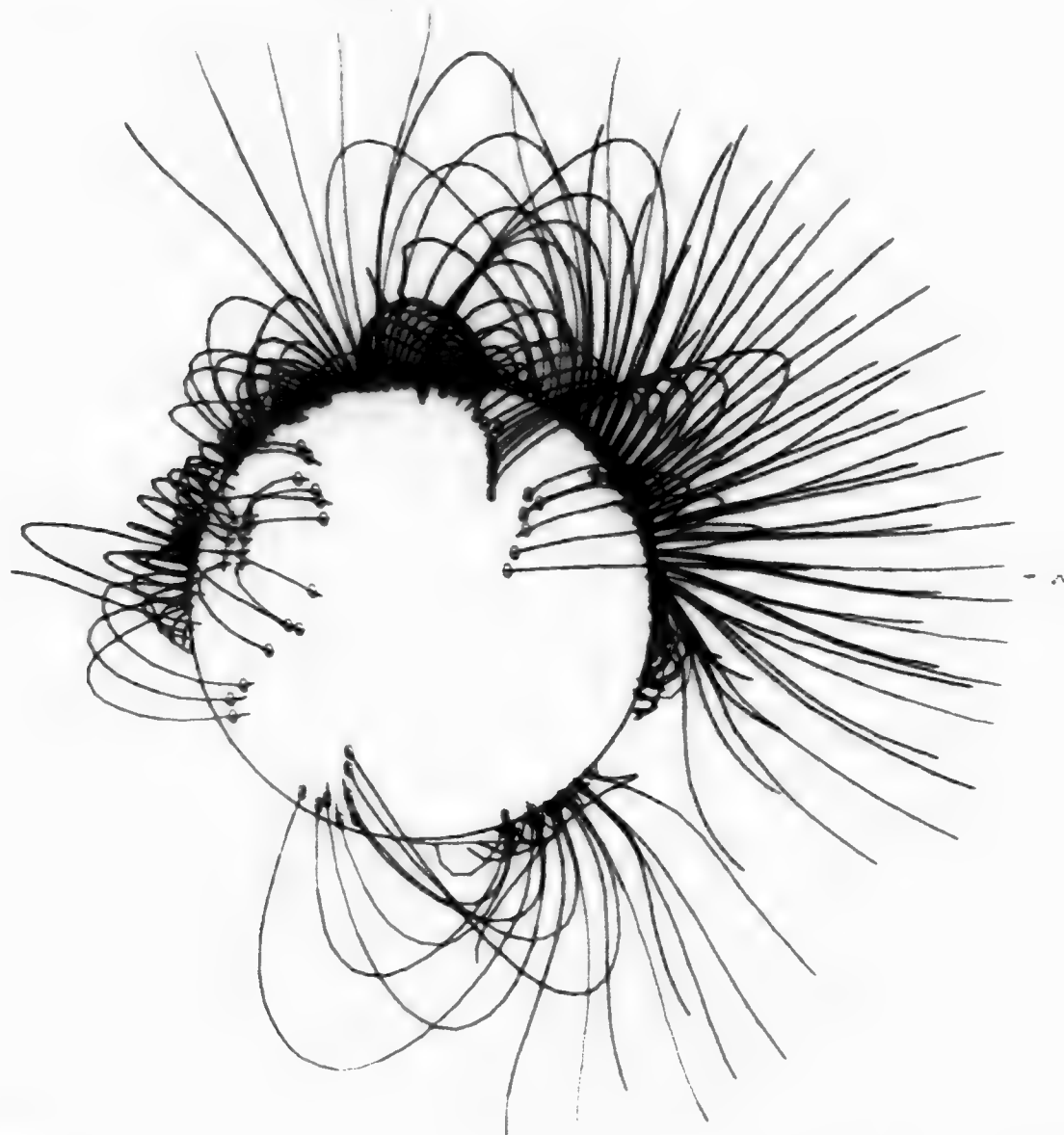
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HALE OBSERVATORY
SUNSPOT RECORD
SUNSPOT RECORD

HALE OBSERVATORY
SUNSPOT RECORD
SUNSPOT RECORD

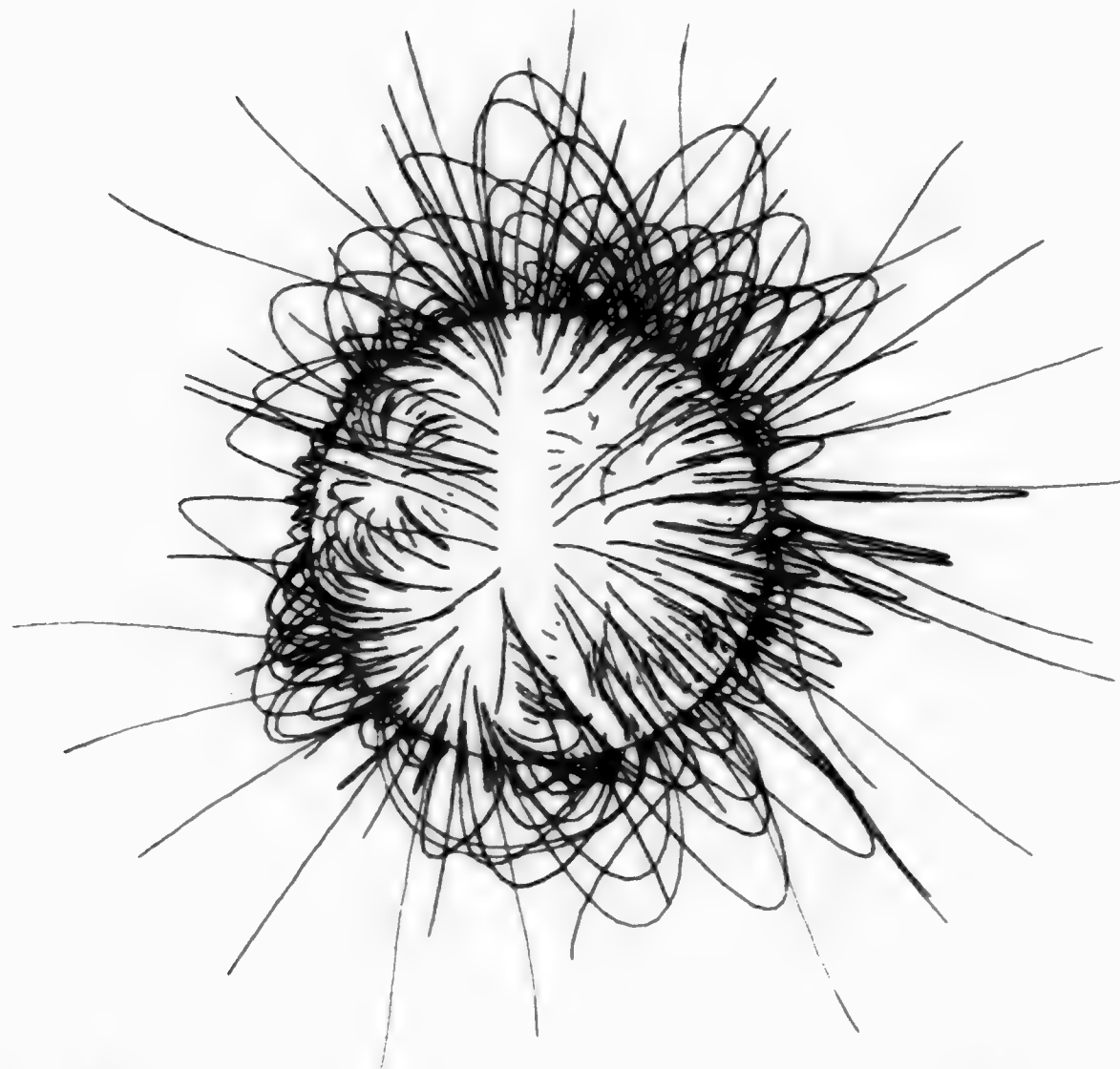
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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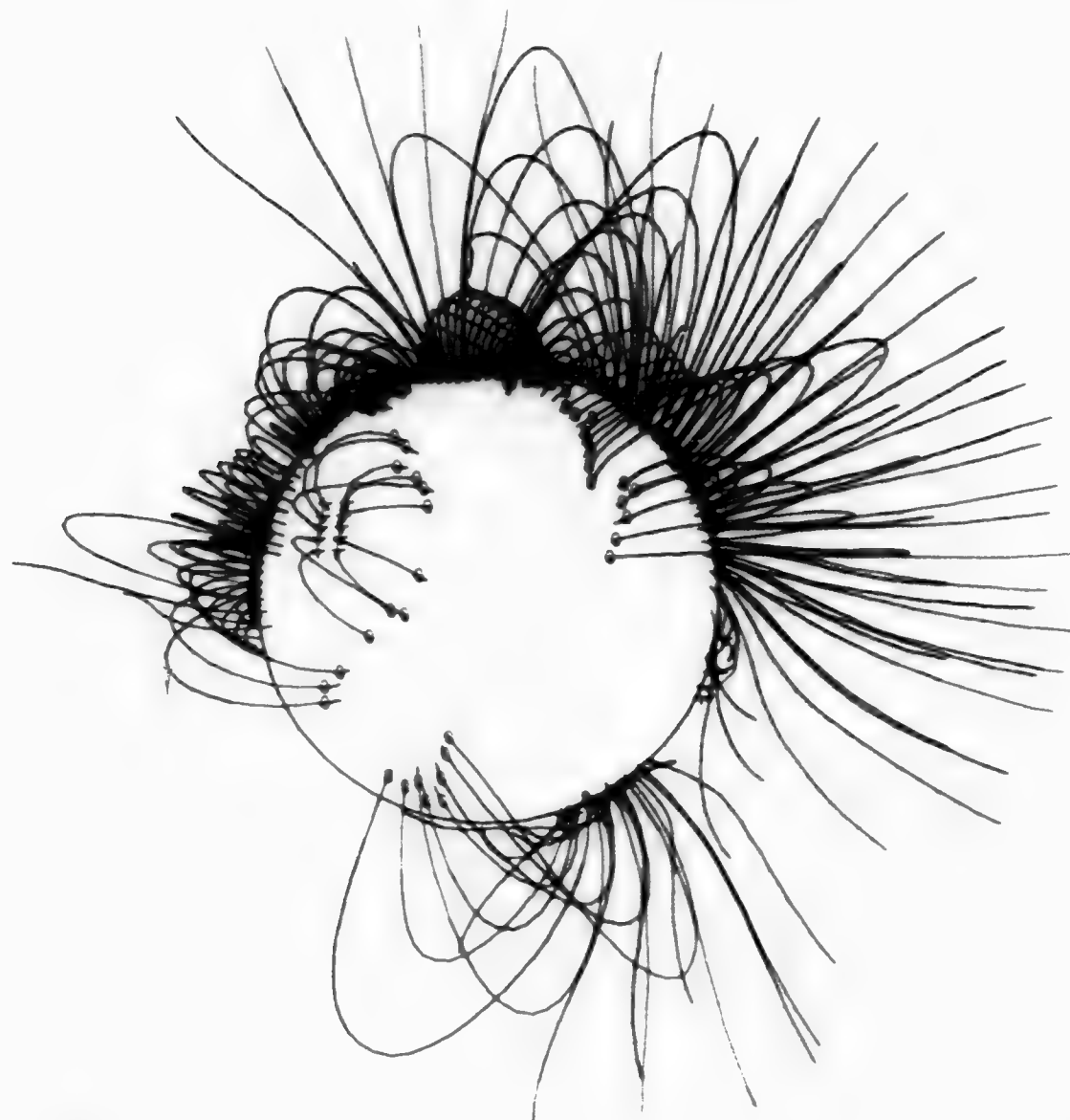
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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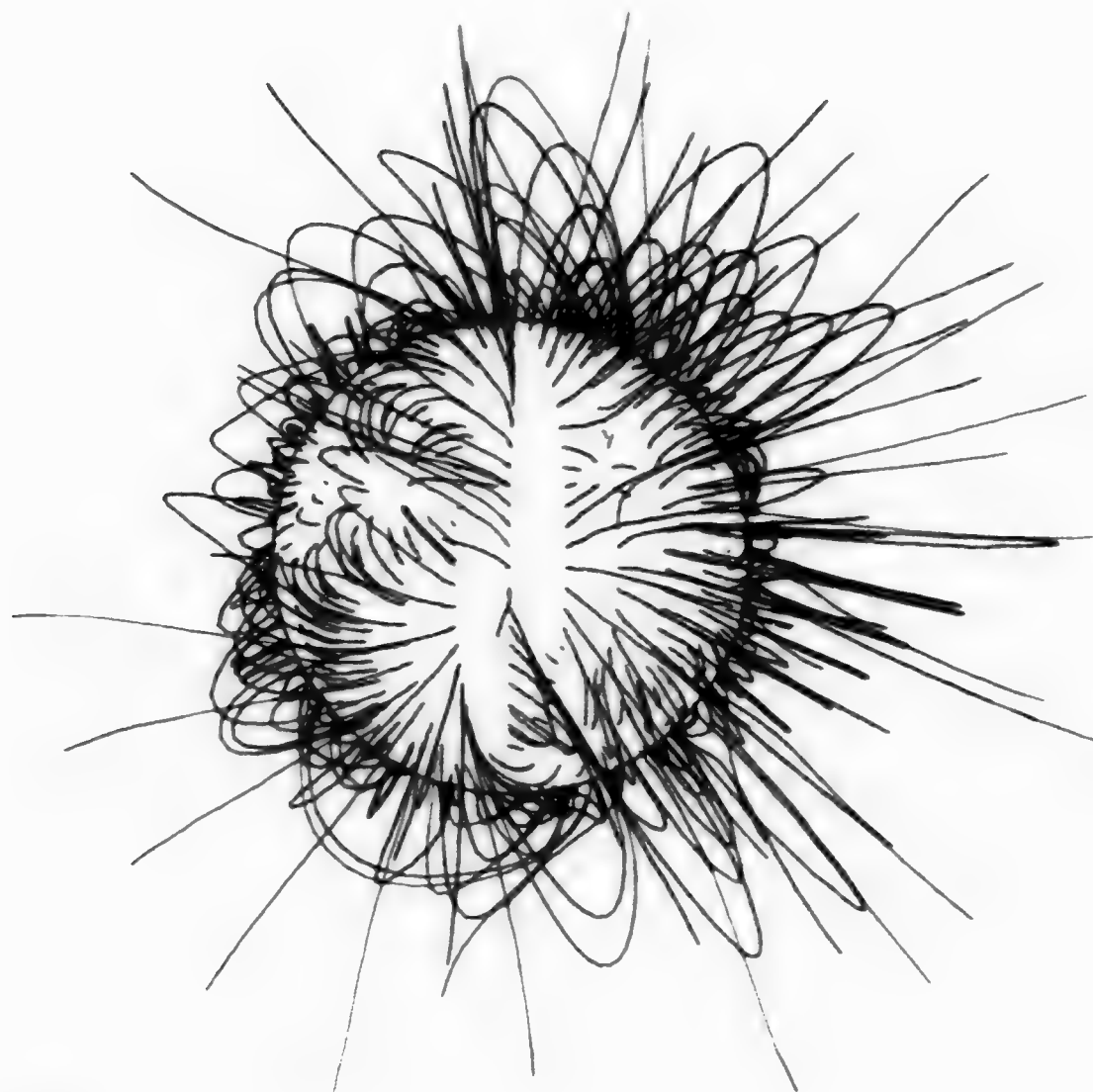
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

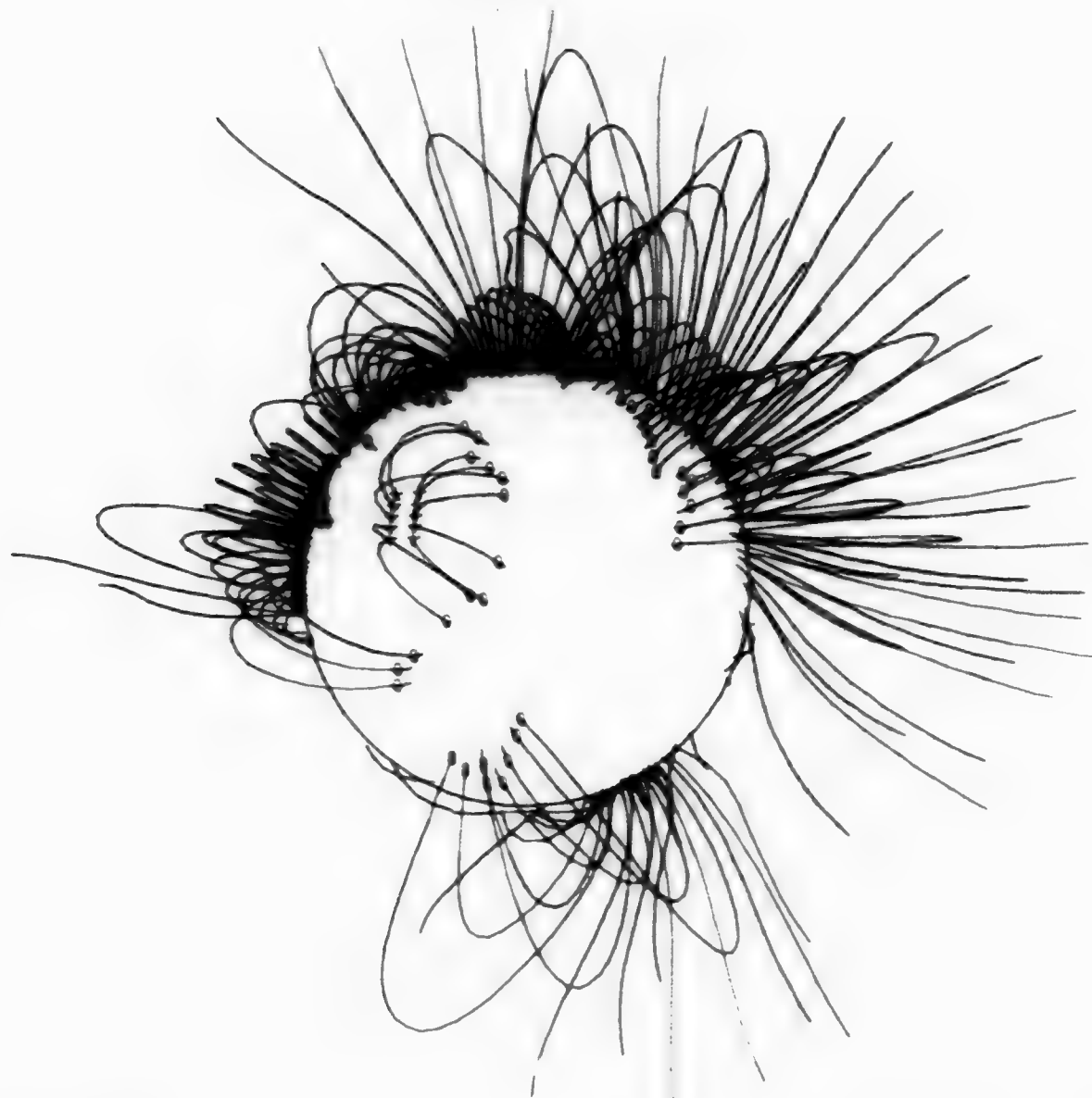


HALE OBSERVATORY
 1900-1901
 DATA FROM 1900-1901

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HALE OBSERVATORY
 1900-1901
 DATA FROM 1900-1901

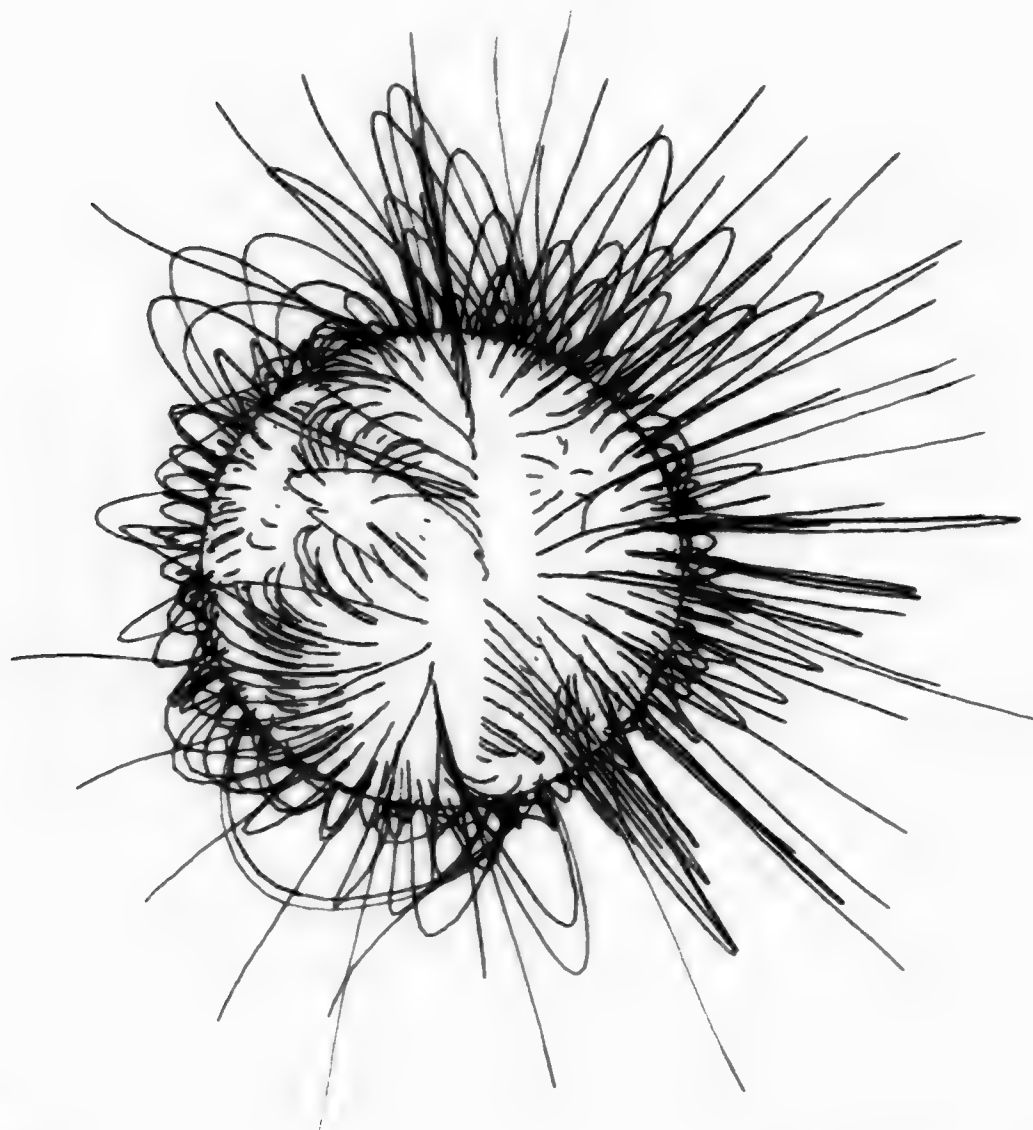
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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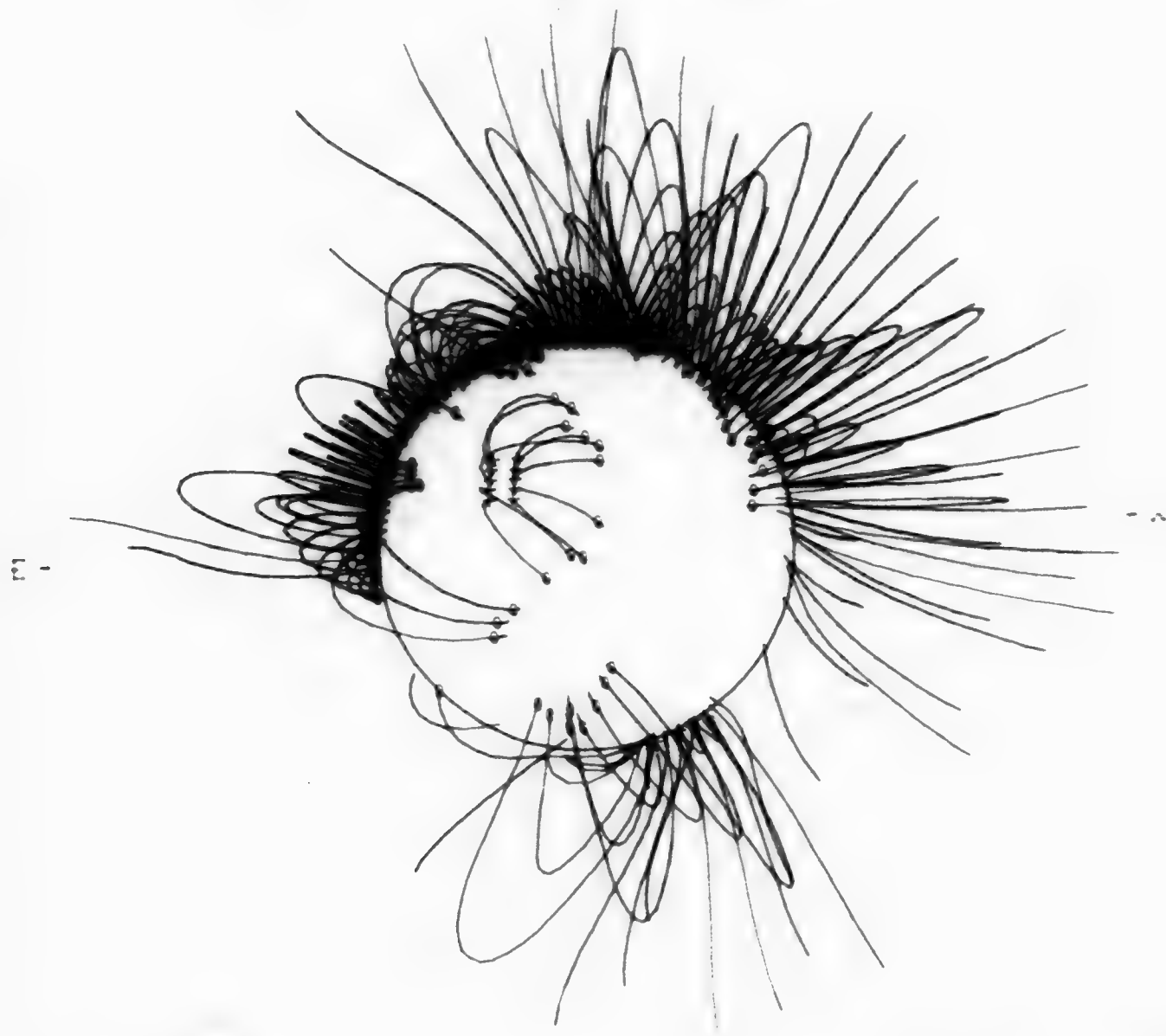
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SUNSPOT RECORD
1908-1909

HALE OBSERVATORY
SUNSPOT RECORD
1908-1909

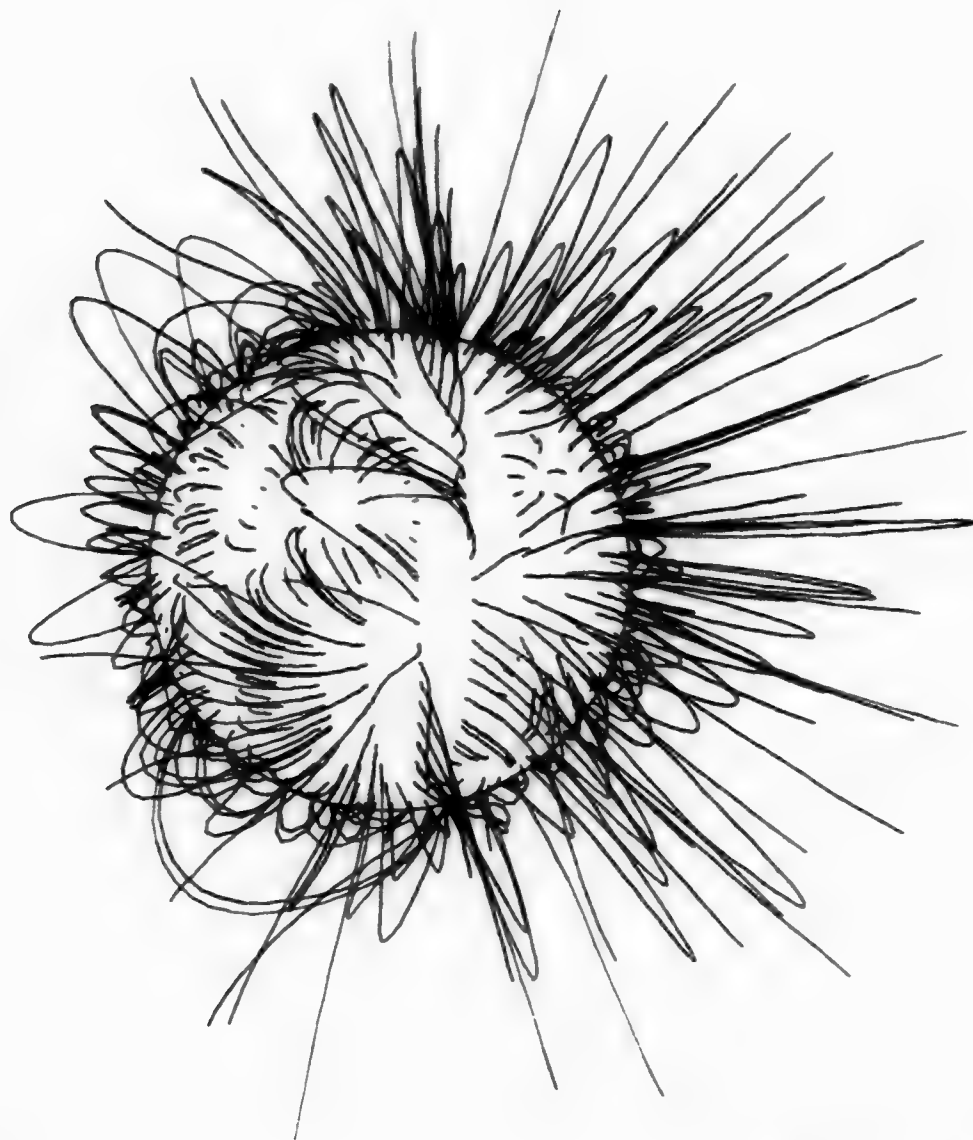
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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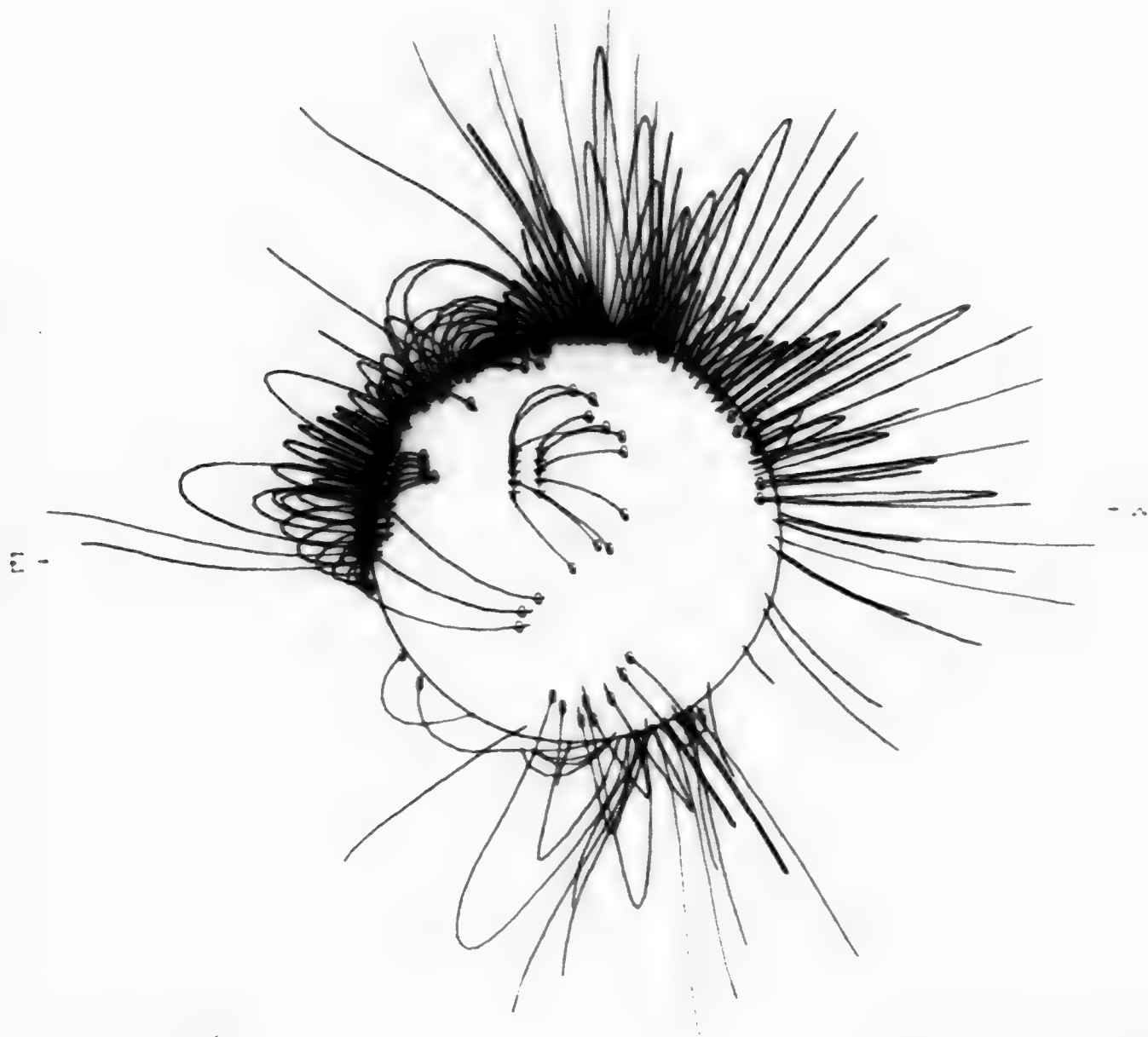
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

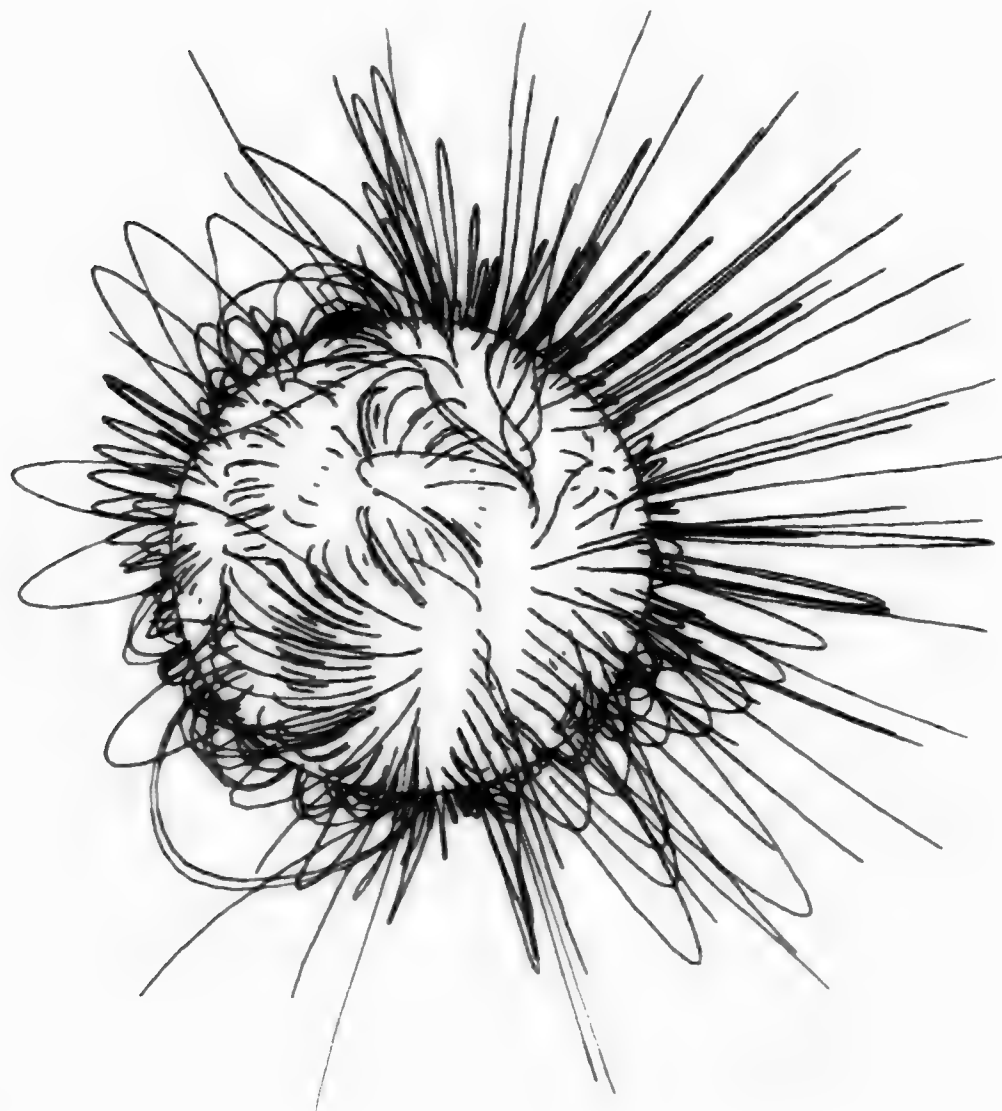


HALE OBSERVATORY
 PUEBLO, COLORADO
 DATA FROM 1950...

HALE OBSERVATORY
 PUEBLO, COLORADO
 DATA FROM 1950...

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

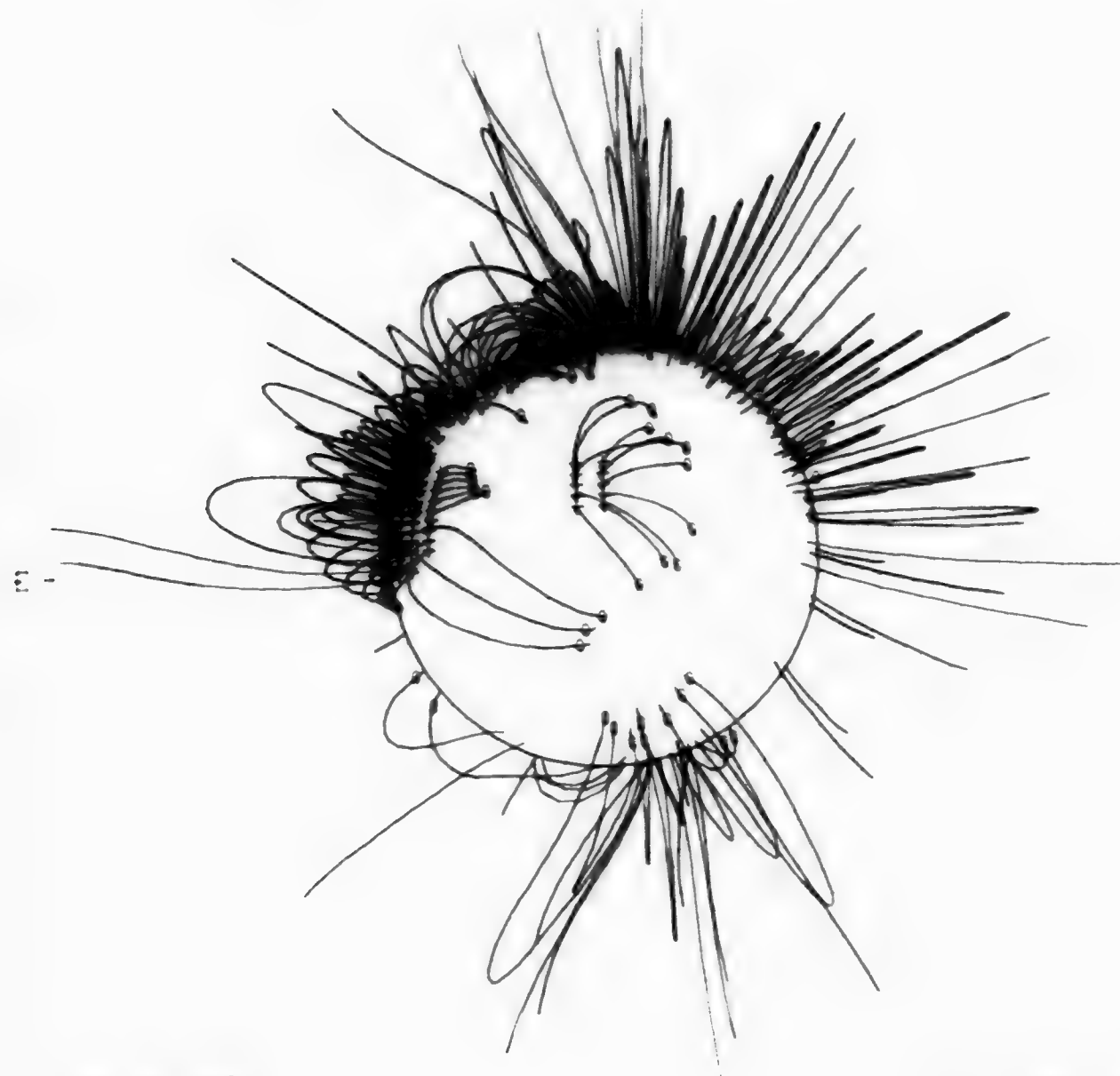
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1. 2010年10月10日
 2. 2010年10月10日
 3. 2010年10月10日

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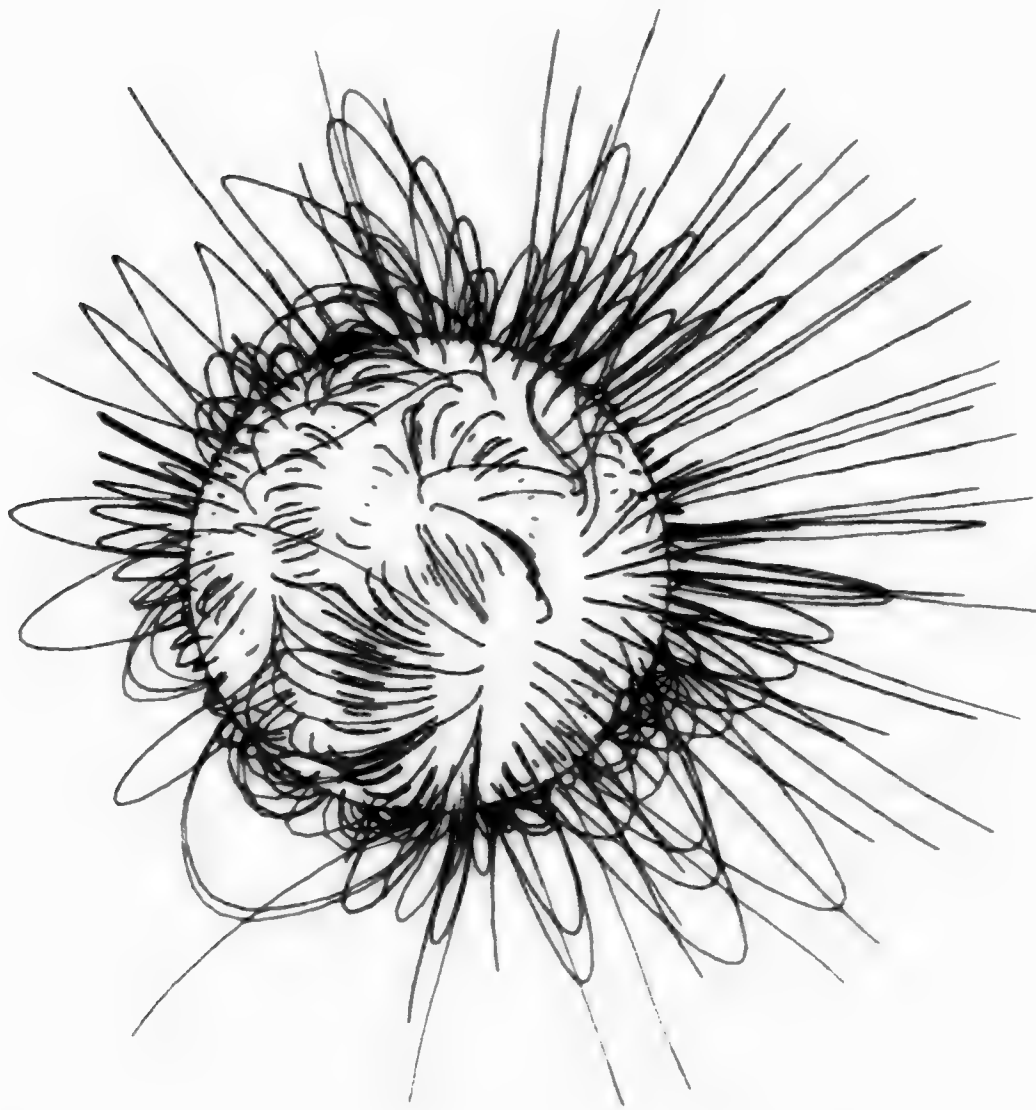
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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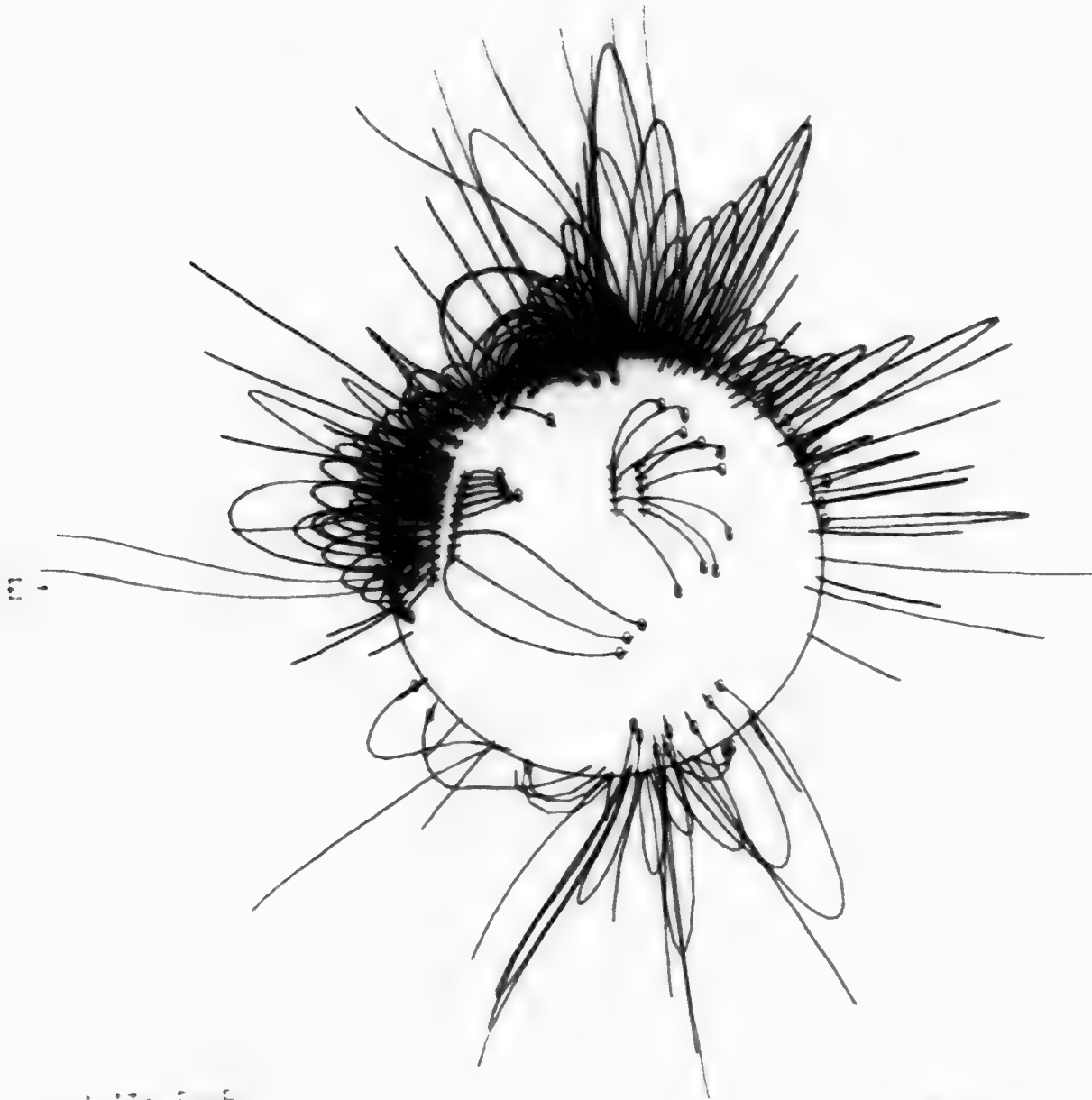
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALL 1111
DATA WITH IN 1957.11

HALE OBSERVATORY
HALL 1111
DATA WITH IN 1957.11

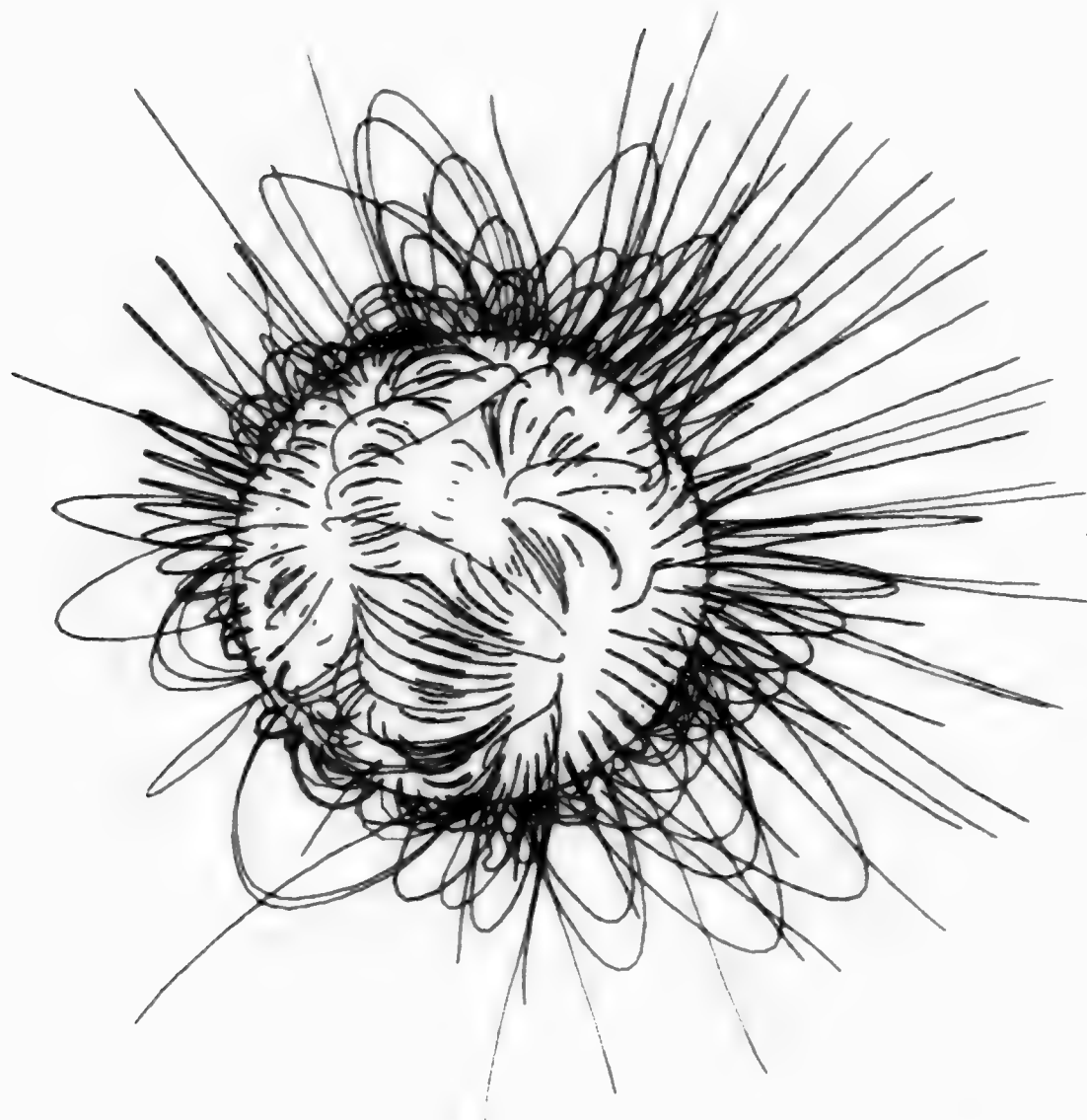
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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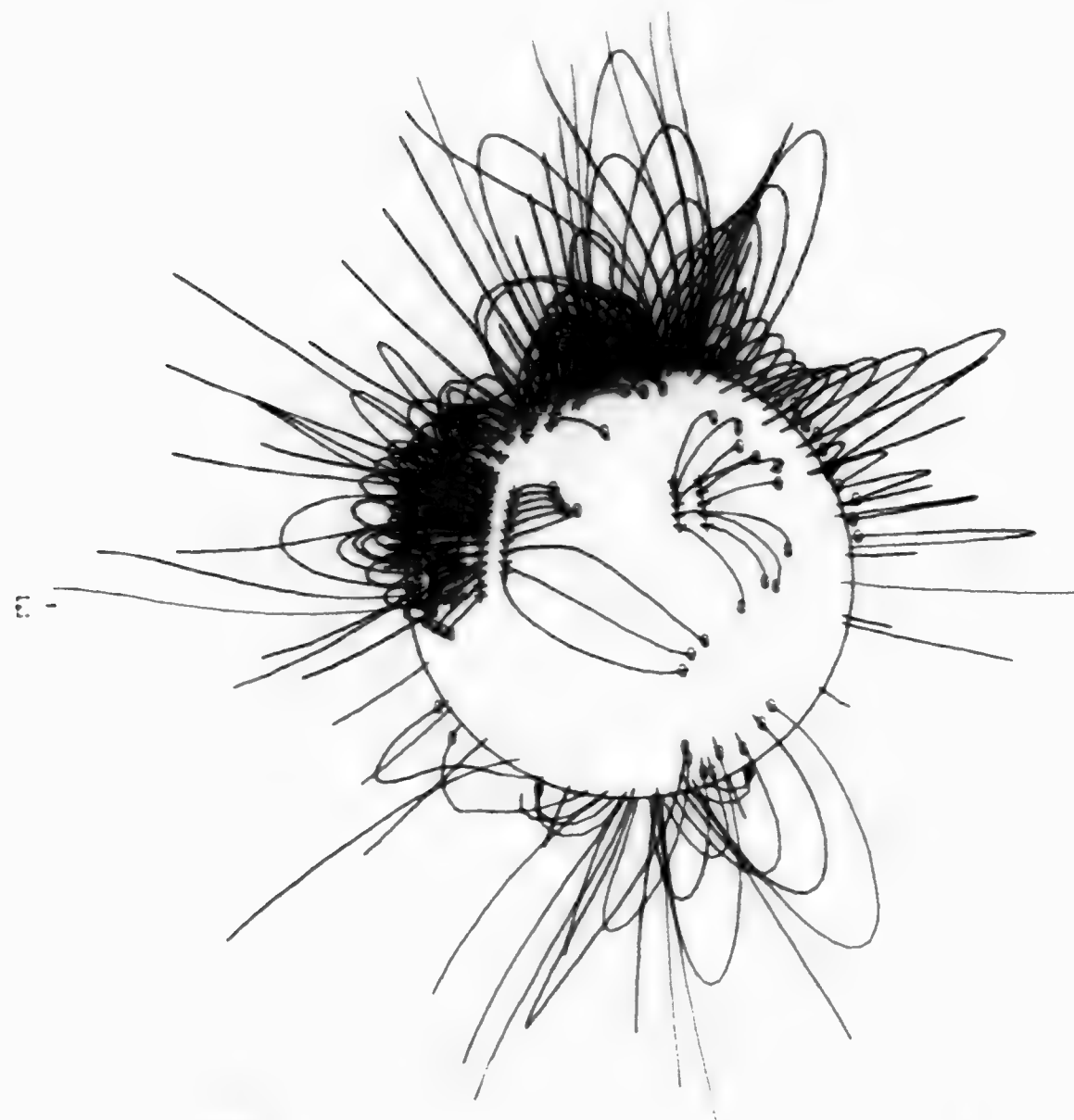
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTA PLUR
 PLURIS LIRE
 CATHARINUS 19.100

PLURIS LIRE
 CATHARINUS 19.100

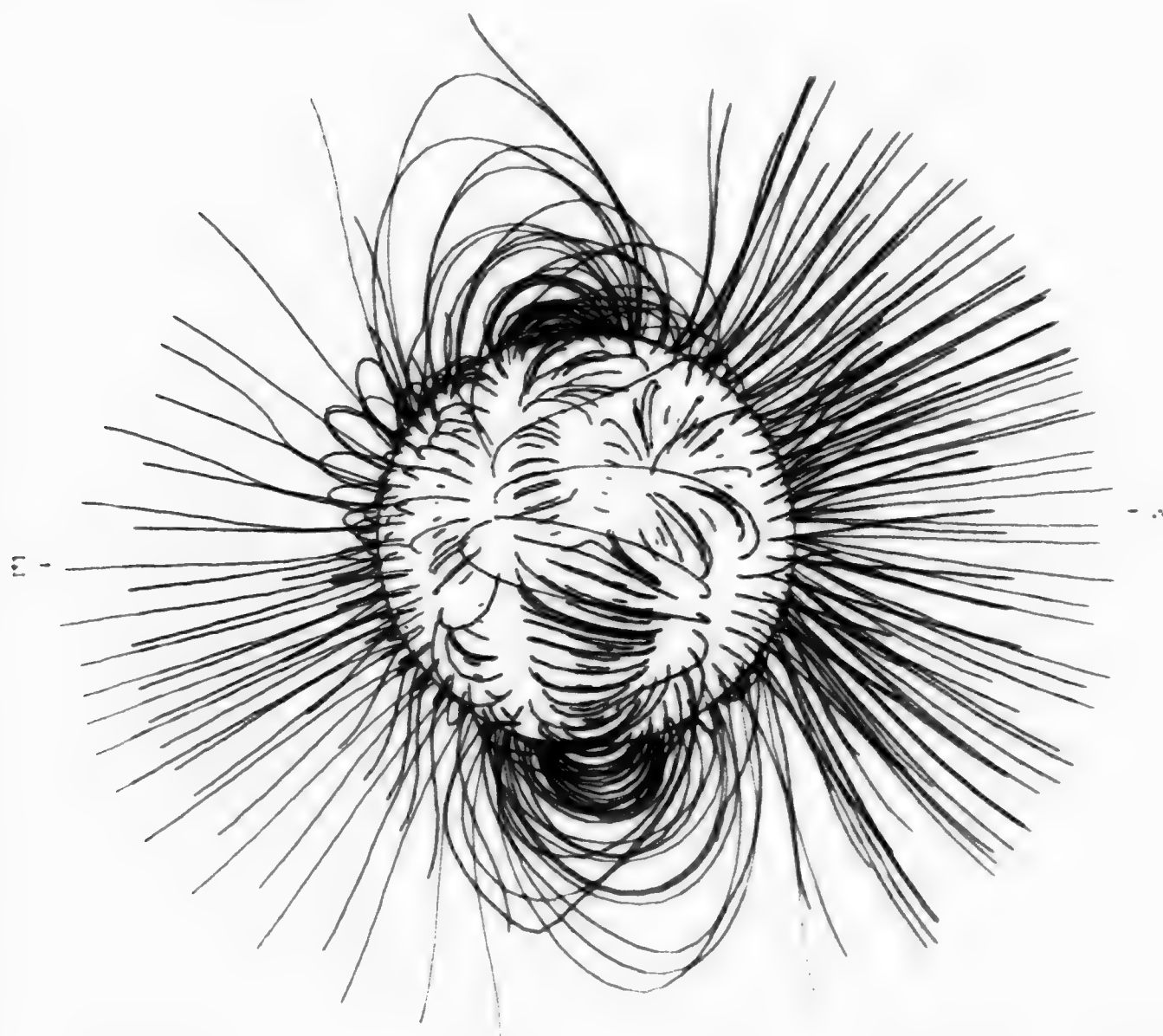
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALES DIRECT
 DATA LINE IN PROGRESS

HALE OBSERVATORY
 HALES DIRECT
 DATA LINE IN PROGRESS

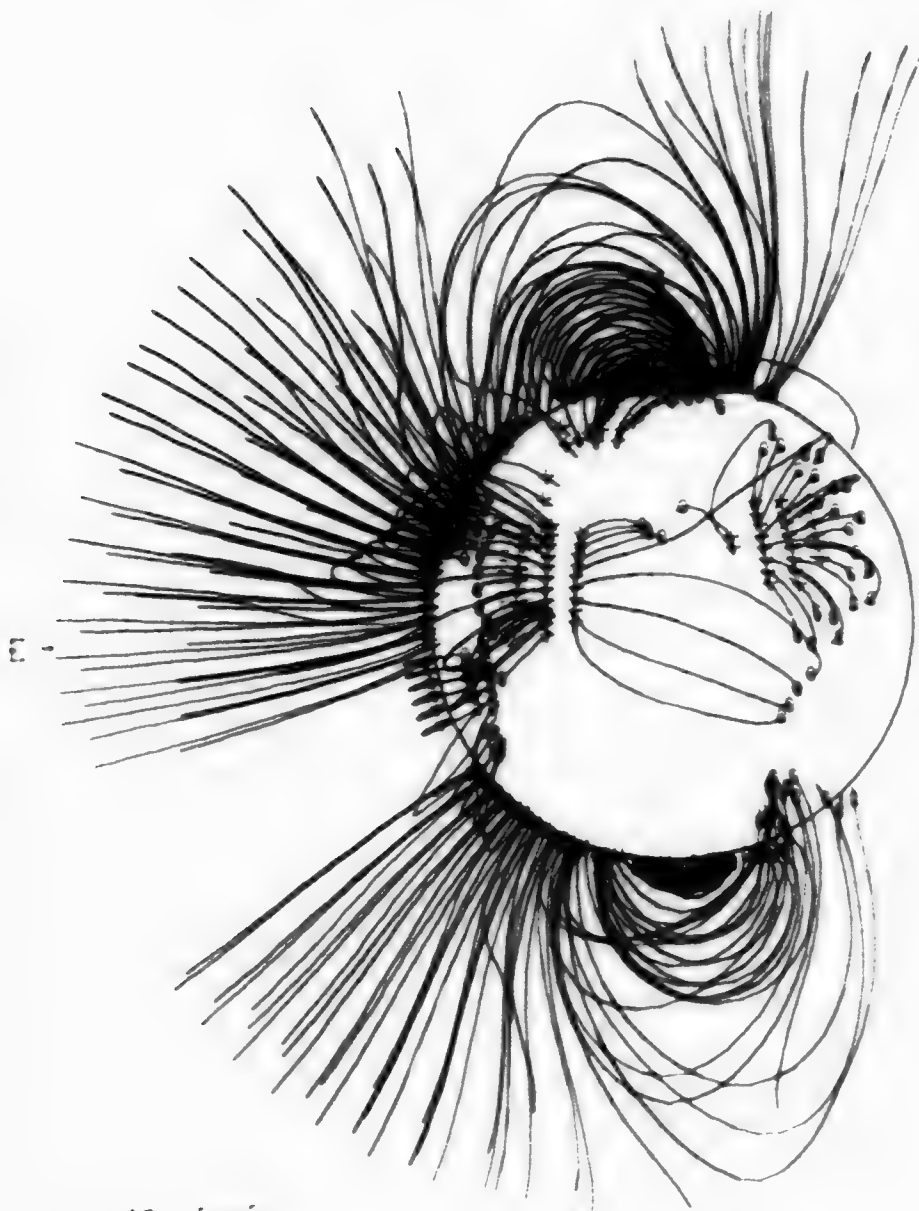
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
FILED DIRECT
DATA AND/OR PHOTOGRAPH

DATE: 10/10/64
TIME: 10:00 AM

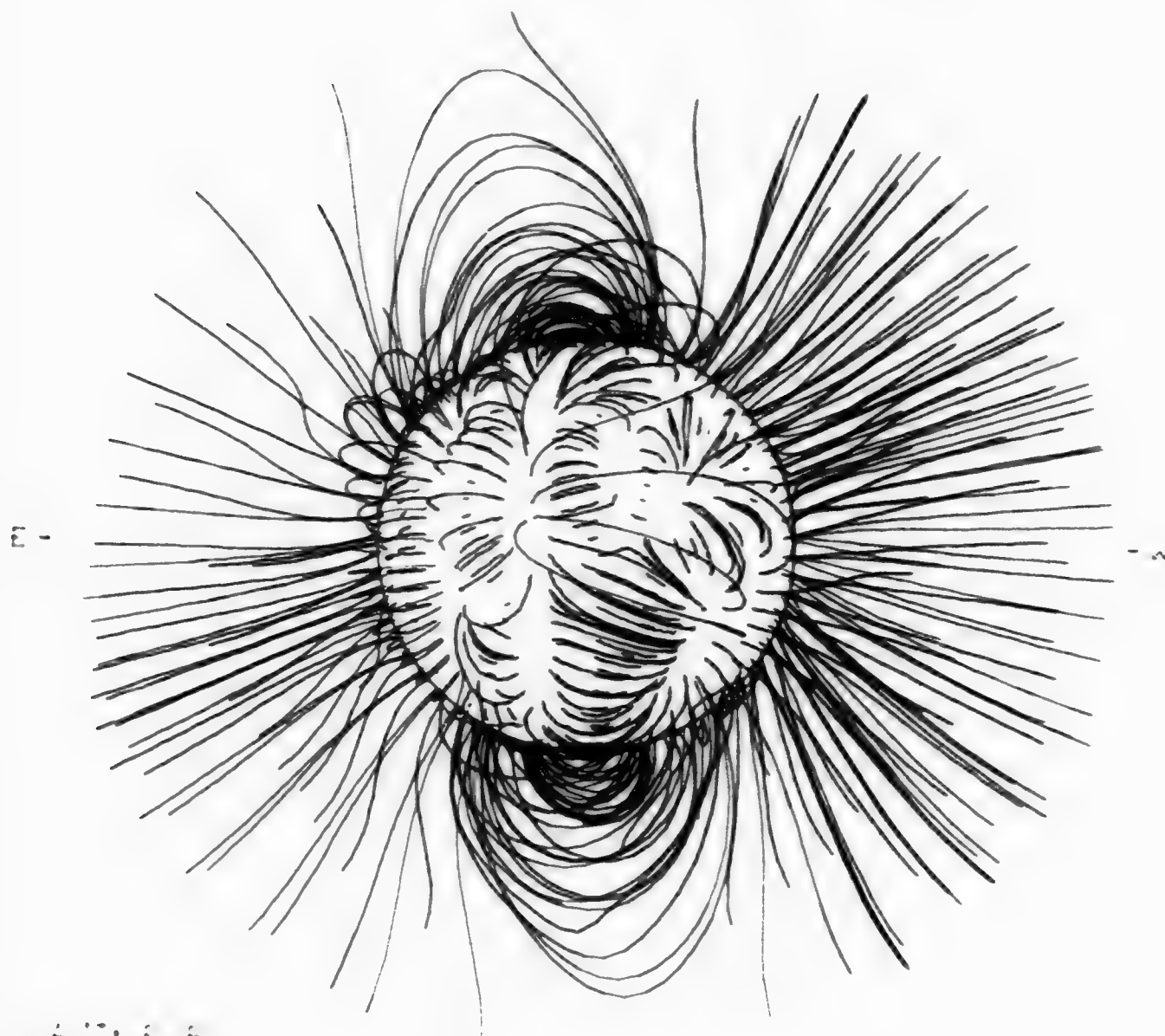
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 SUNSPOT GROUP
 DATA FROM 1957-58

HALE OBSERVATORY
 SUNSPOT GROUP
 DATA FROM 1957-58

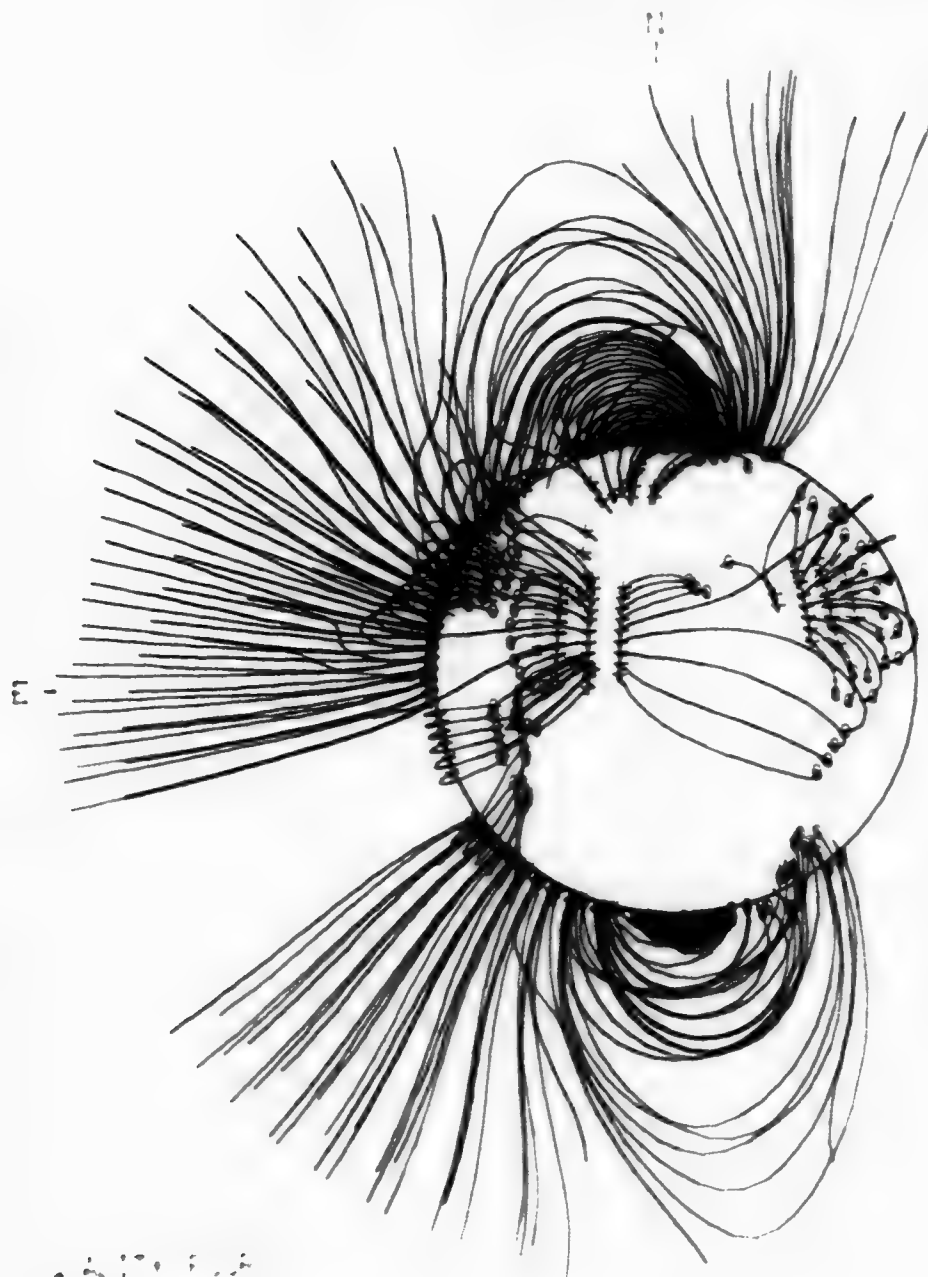
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA W/IN 1527.07

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA W/IN 1527.07

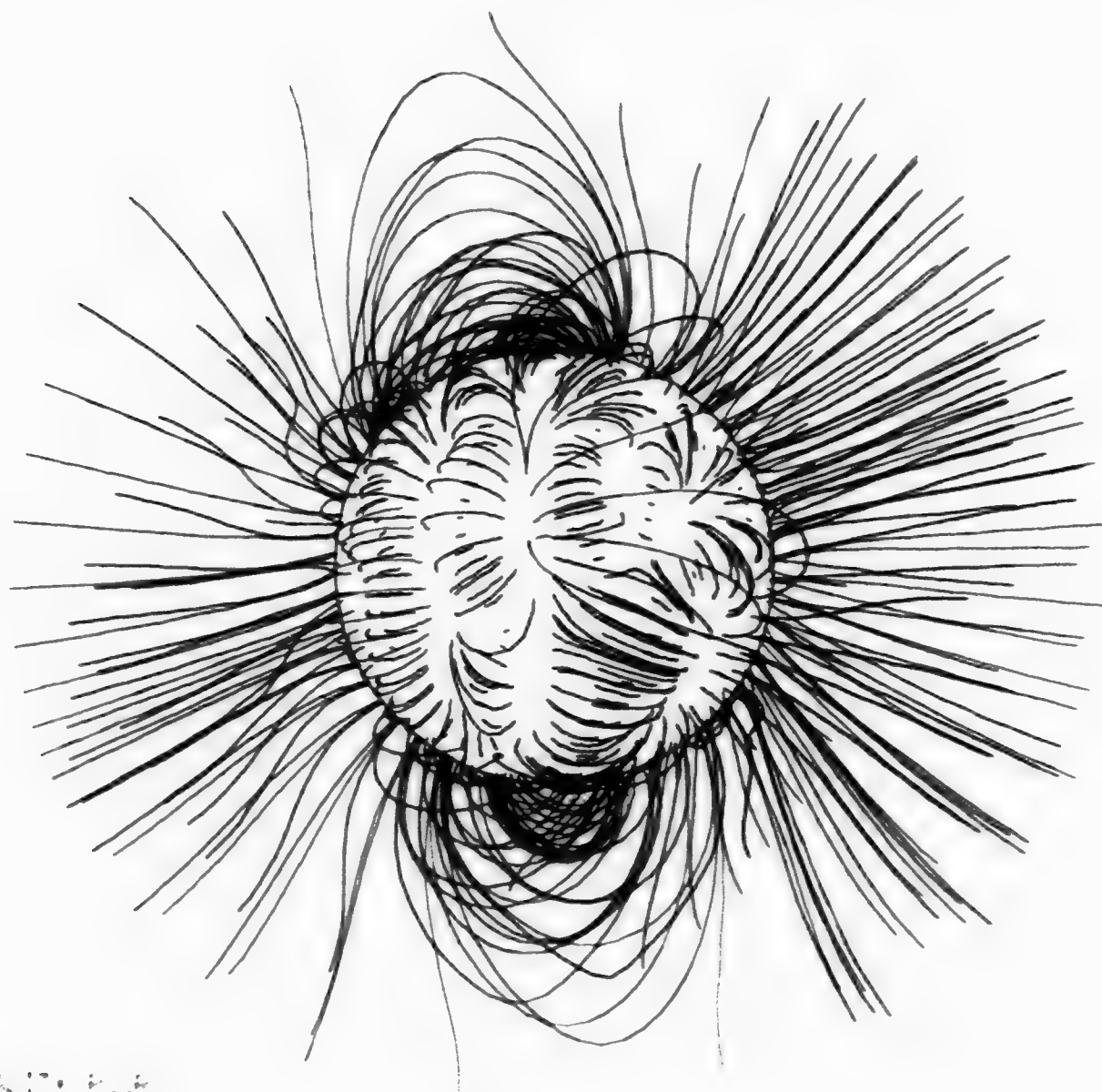
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
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 HAILE OBSERVATORIES

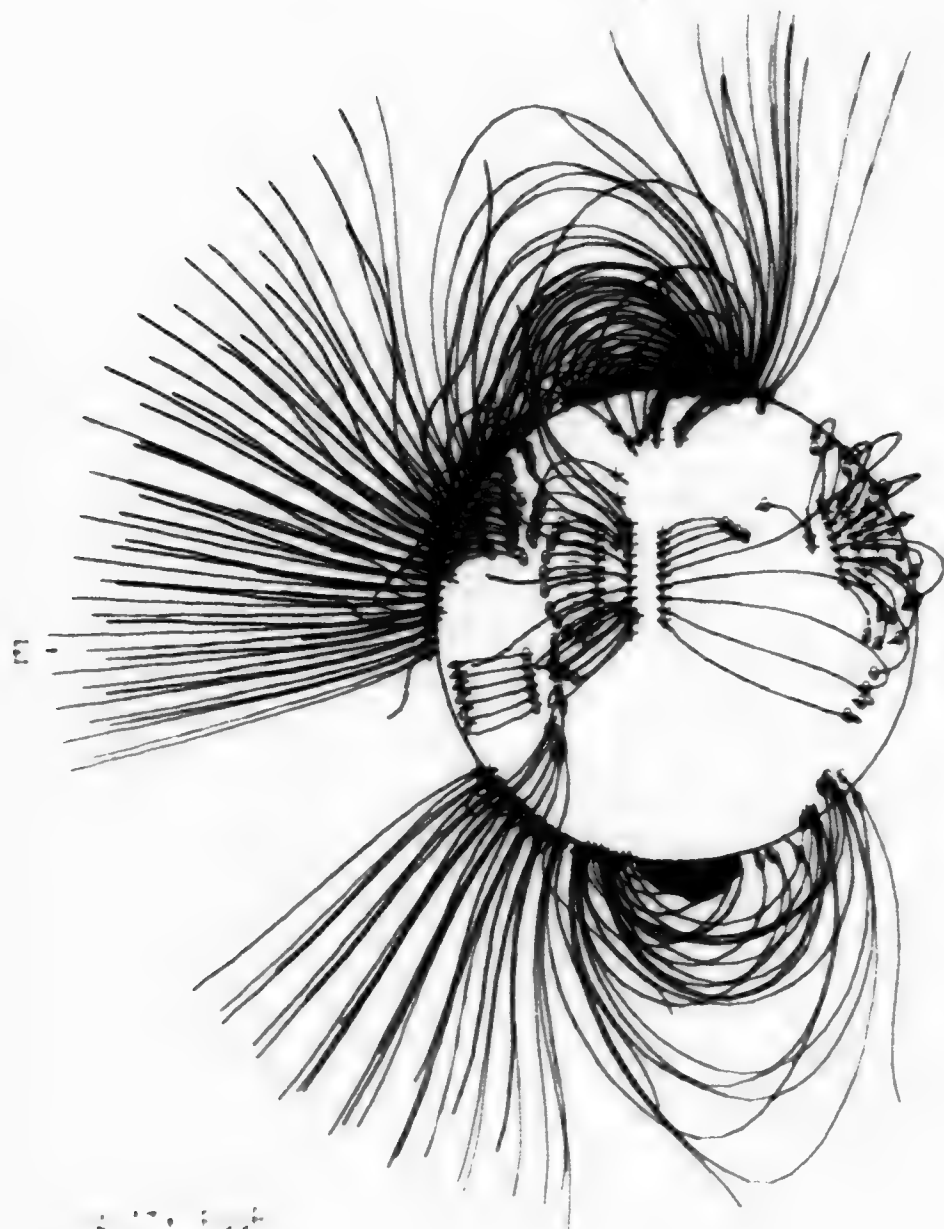
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PULLEY'S CREEK
MOUNTAIN RANGE, CALIF.

HALE OBSERVATORY
MOUNTAIN RANGE, CALIF.

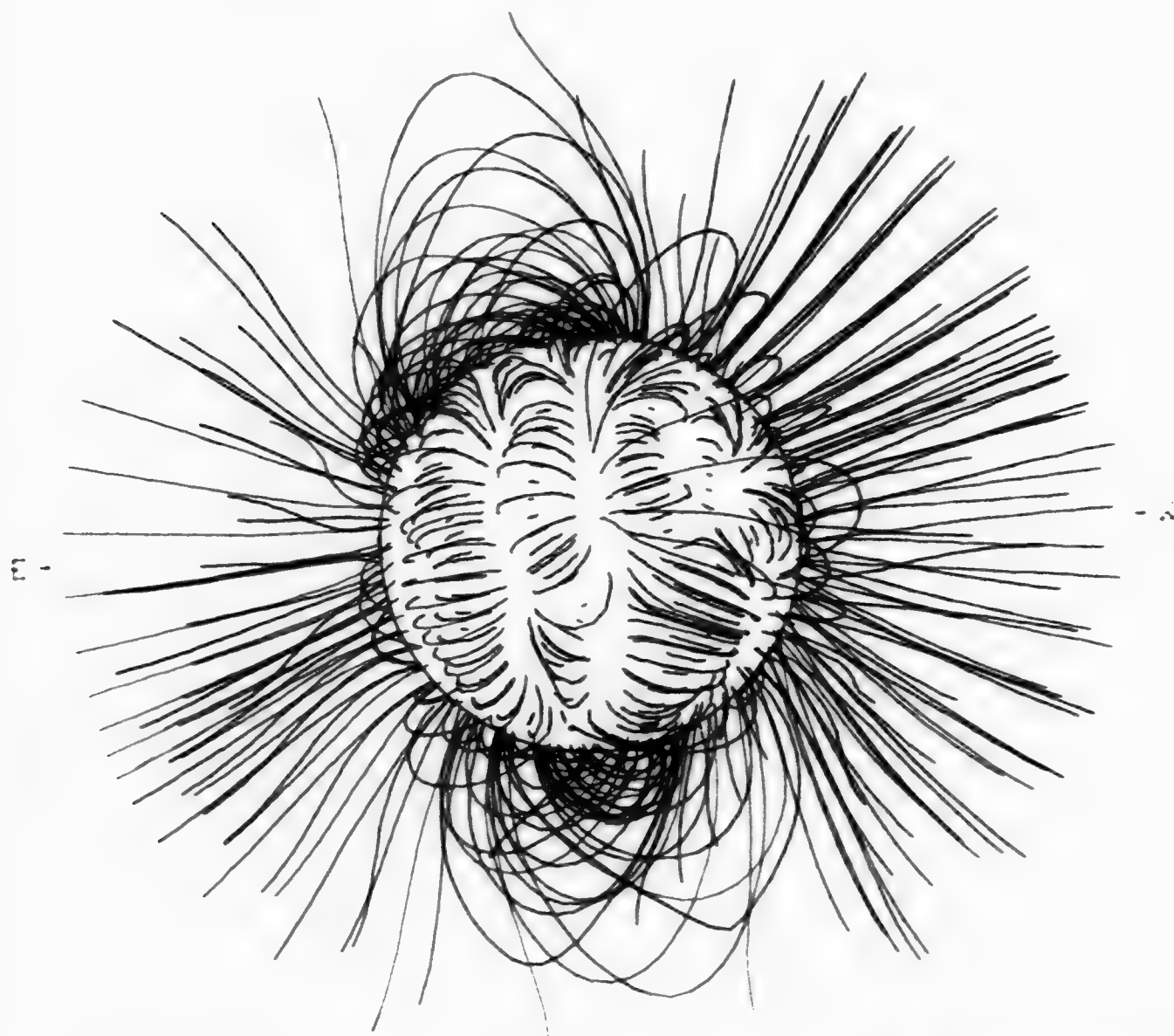
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

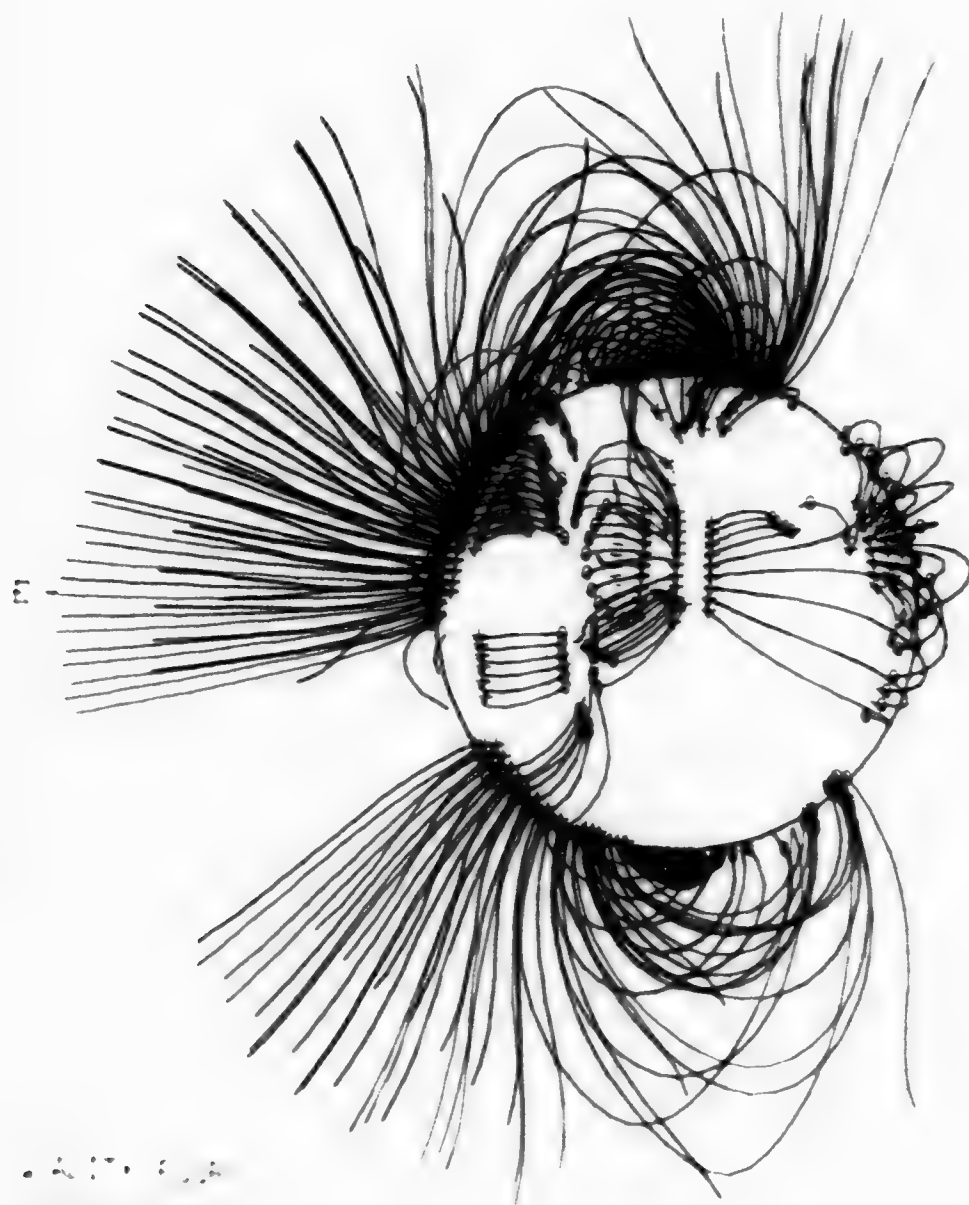
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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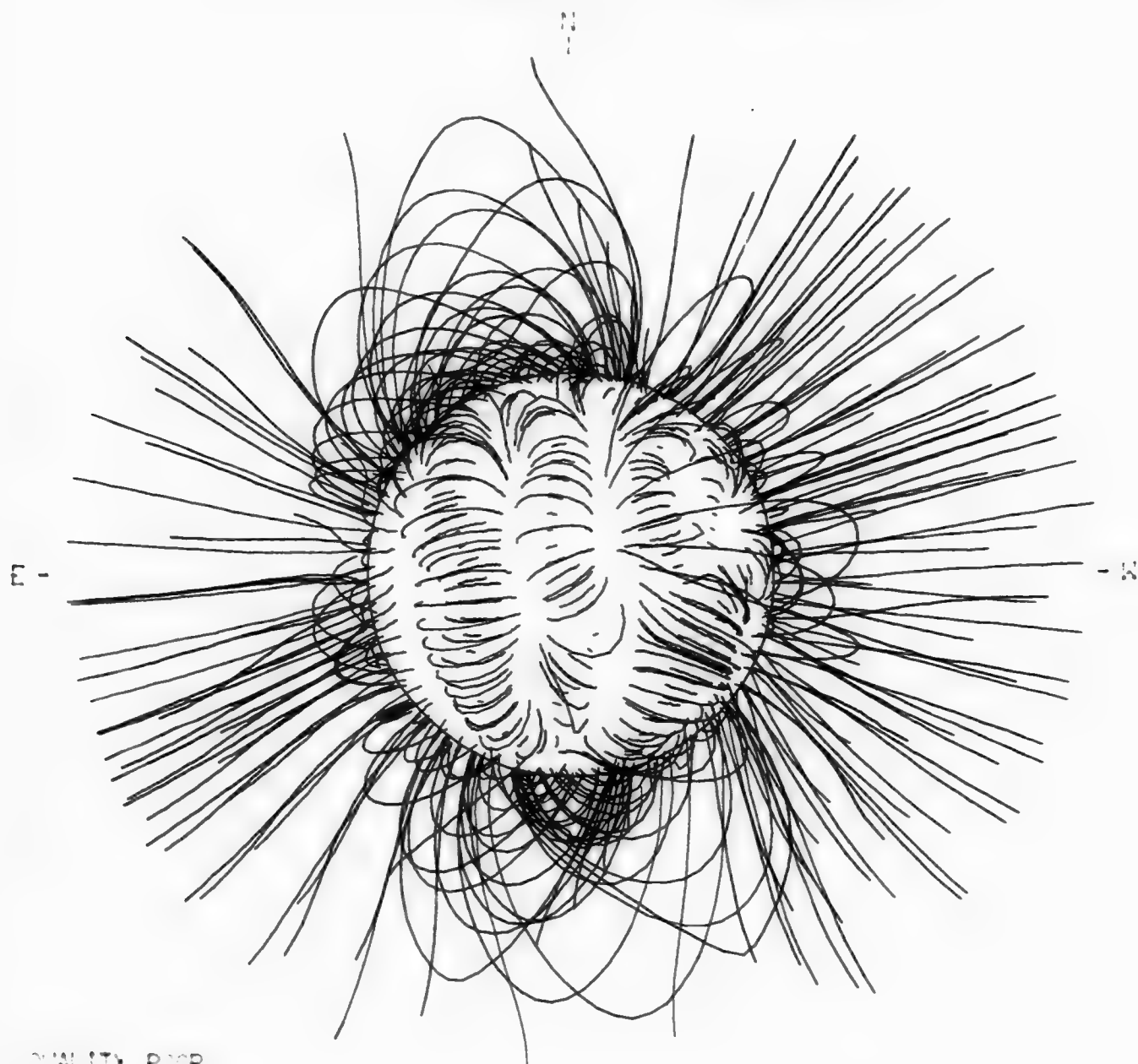
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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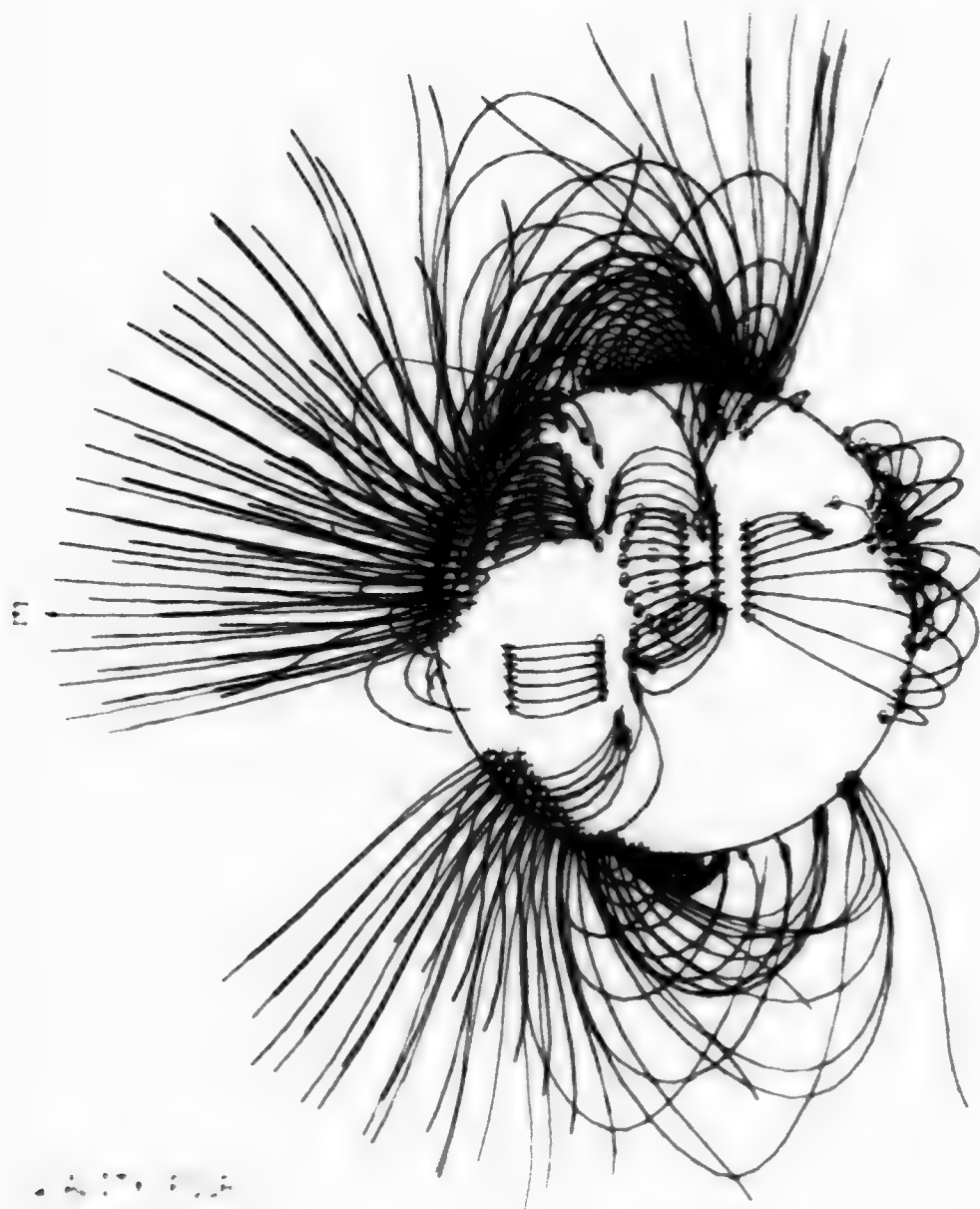
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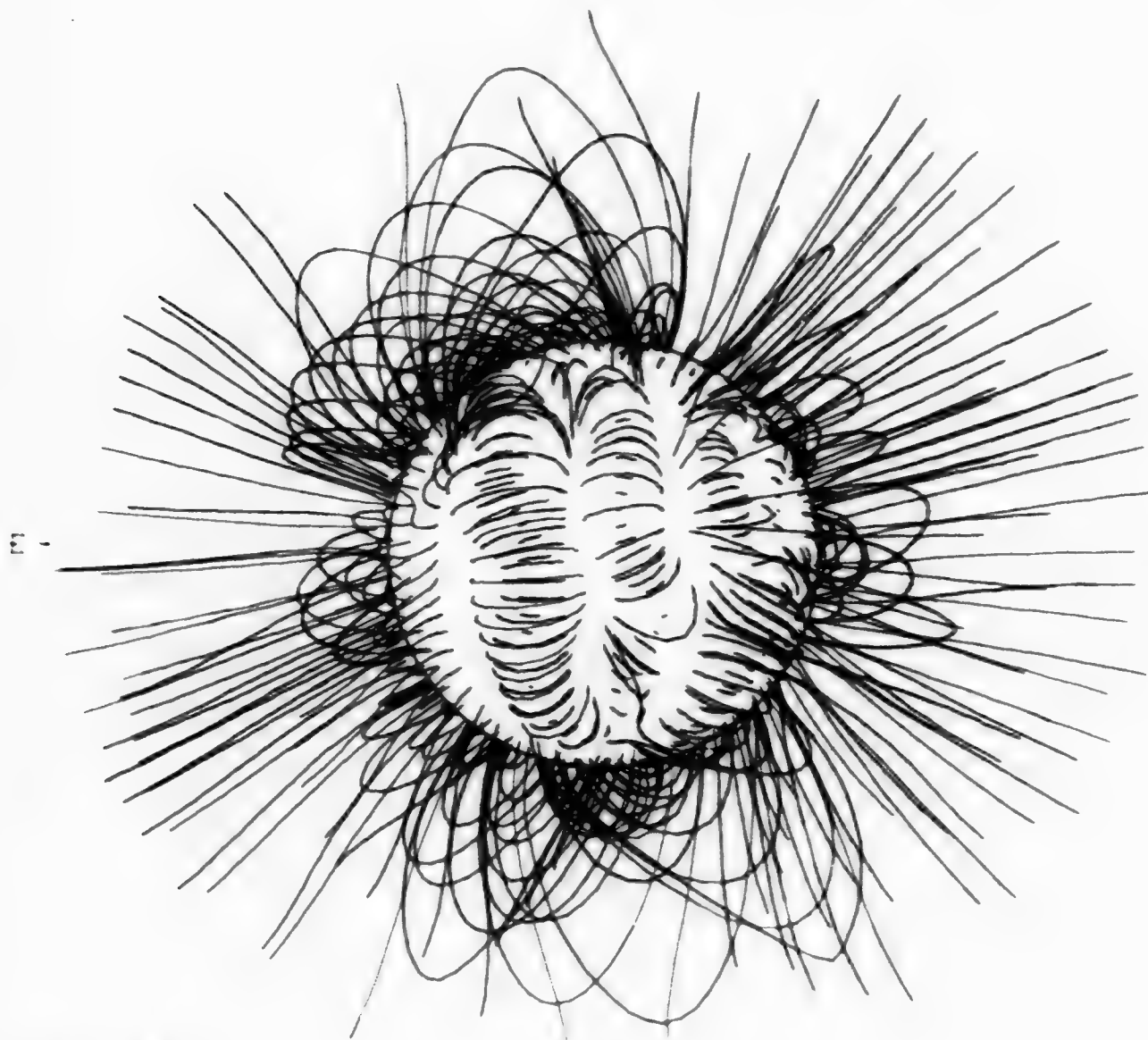
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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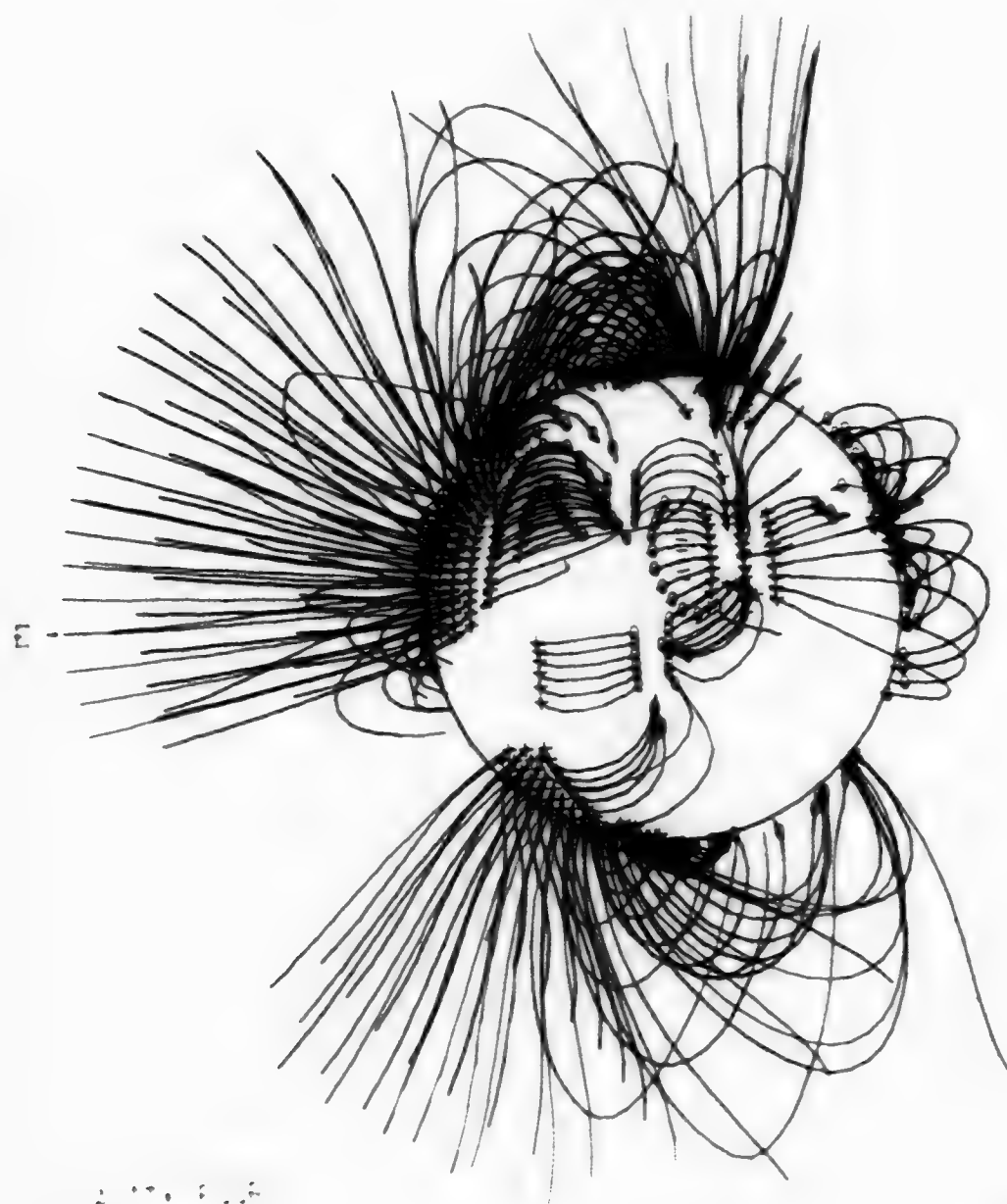
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PAGES 1-10
1971-1972

HALE OBSERVATORY
PAGES 11-20
1973-1974

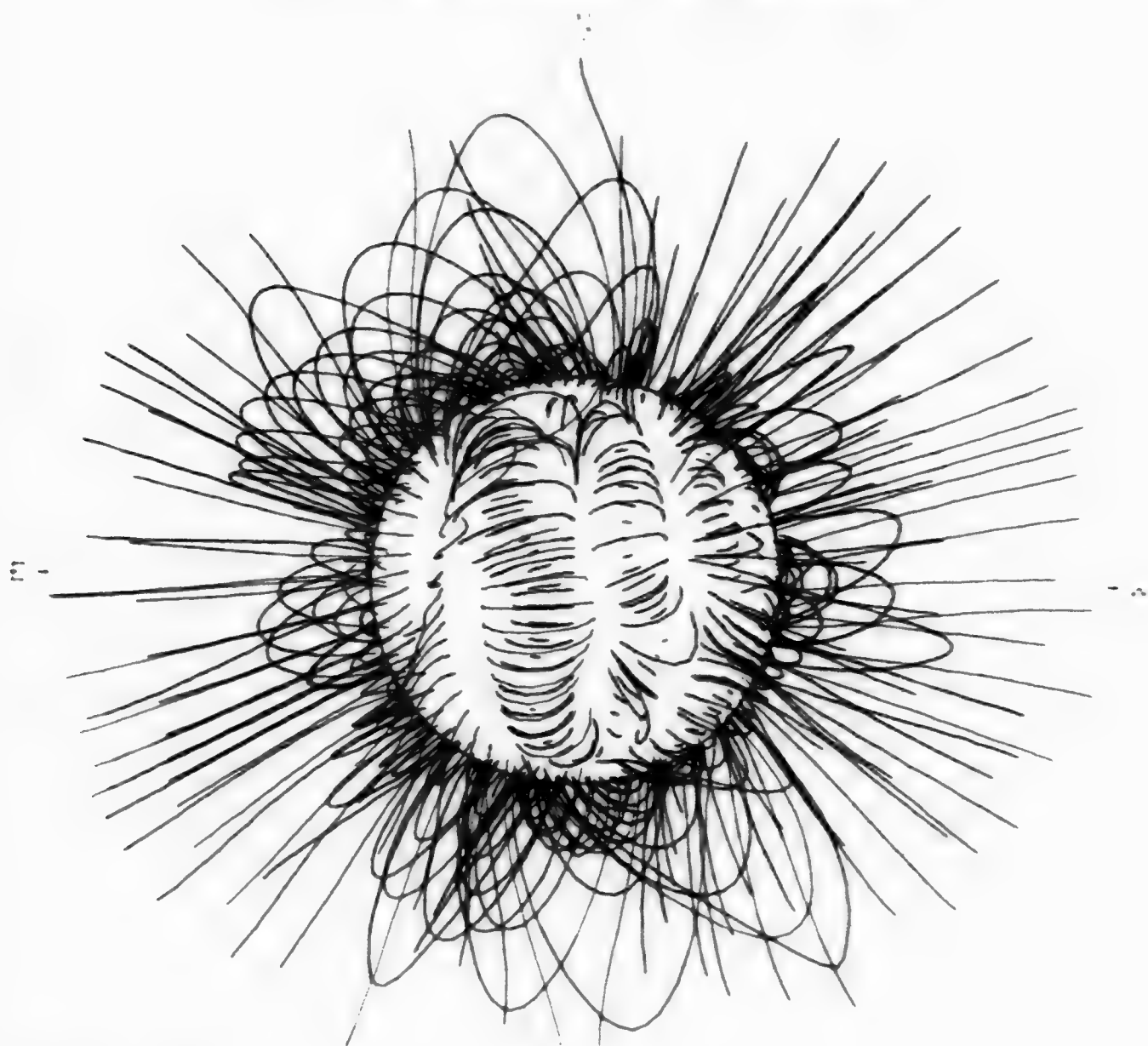
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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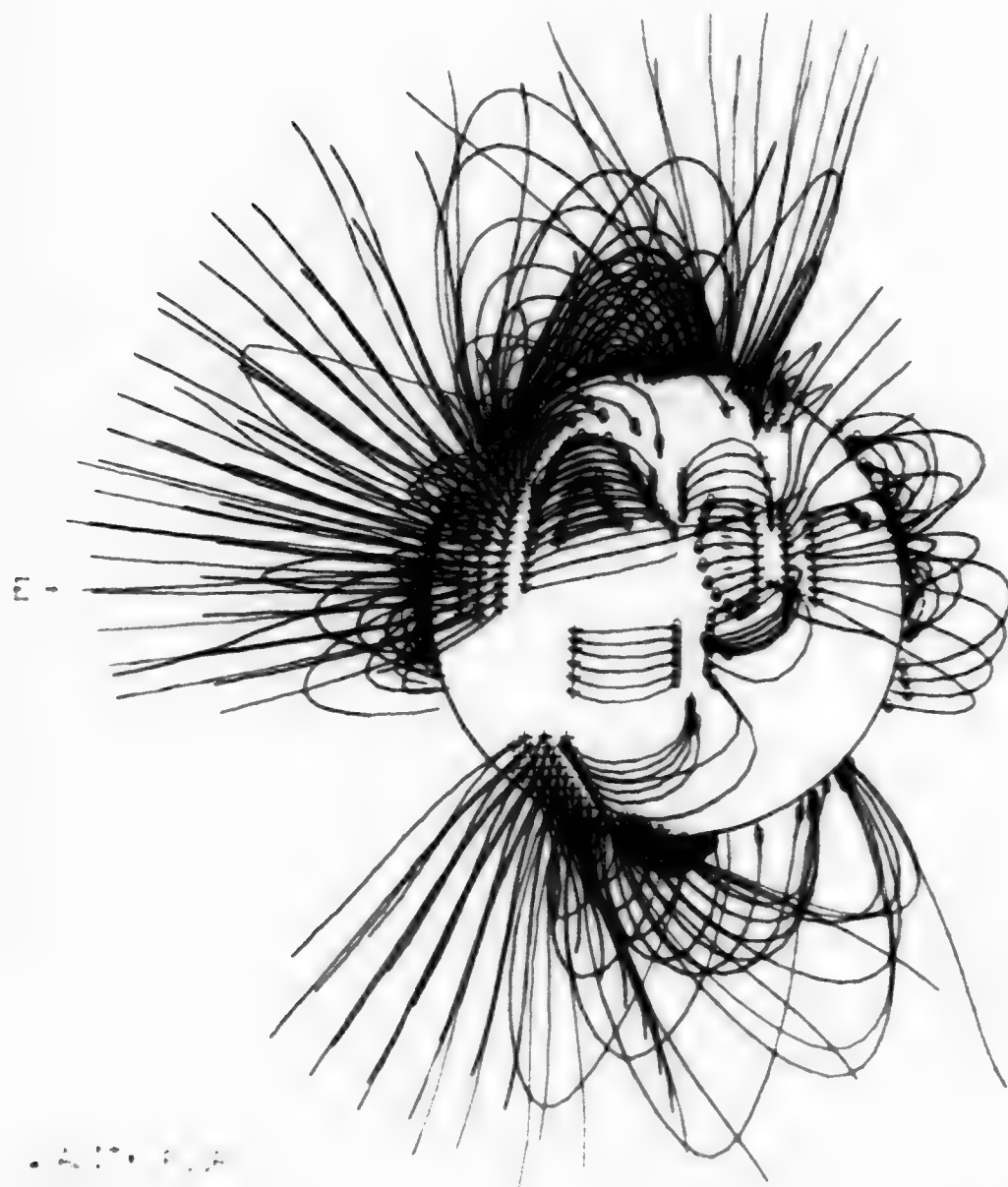
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

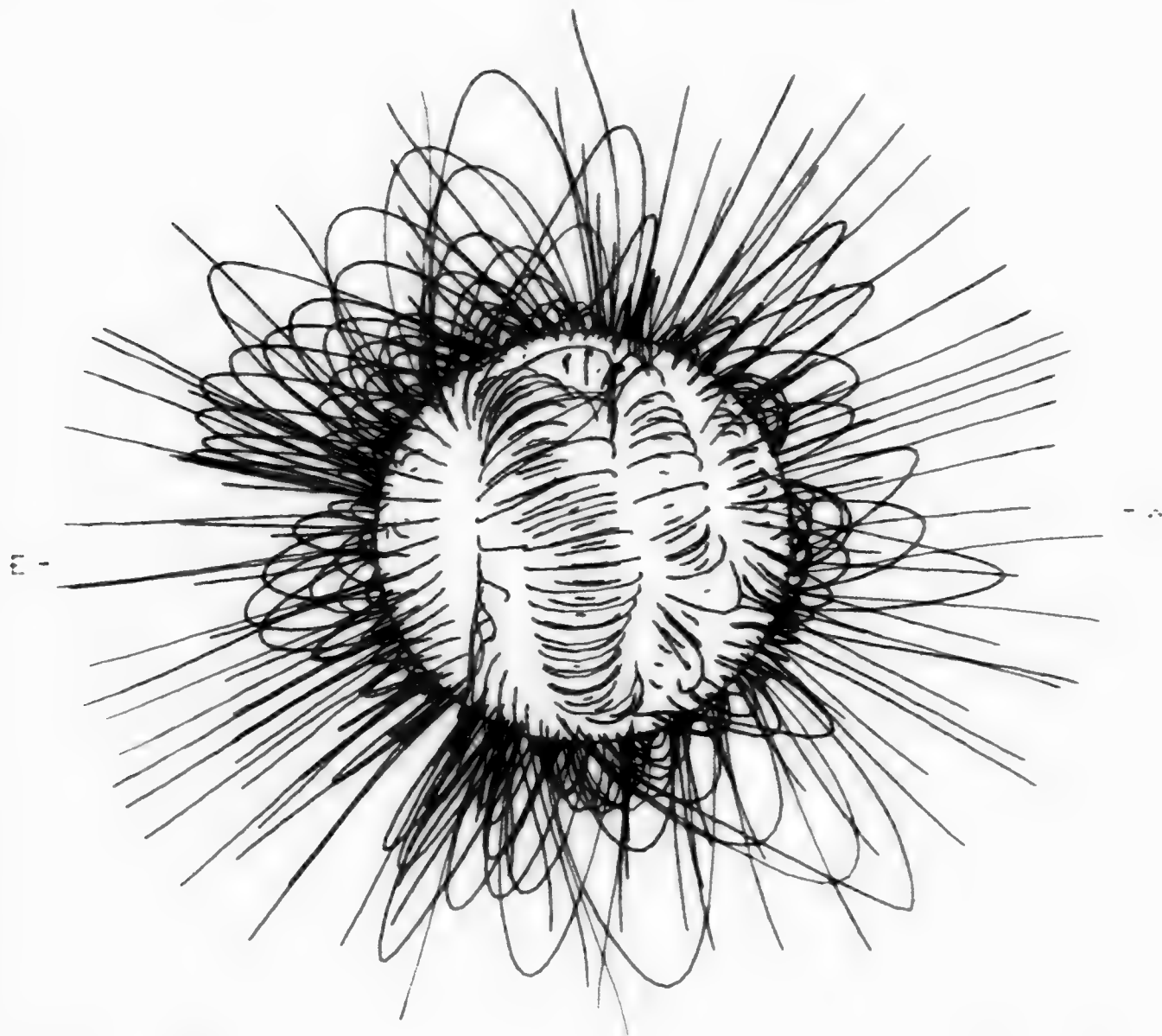
HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES 100-101
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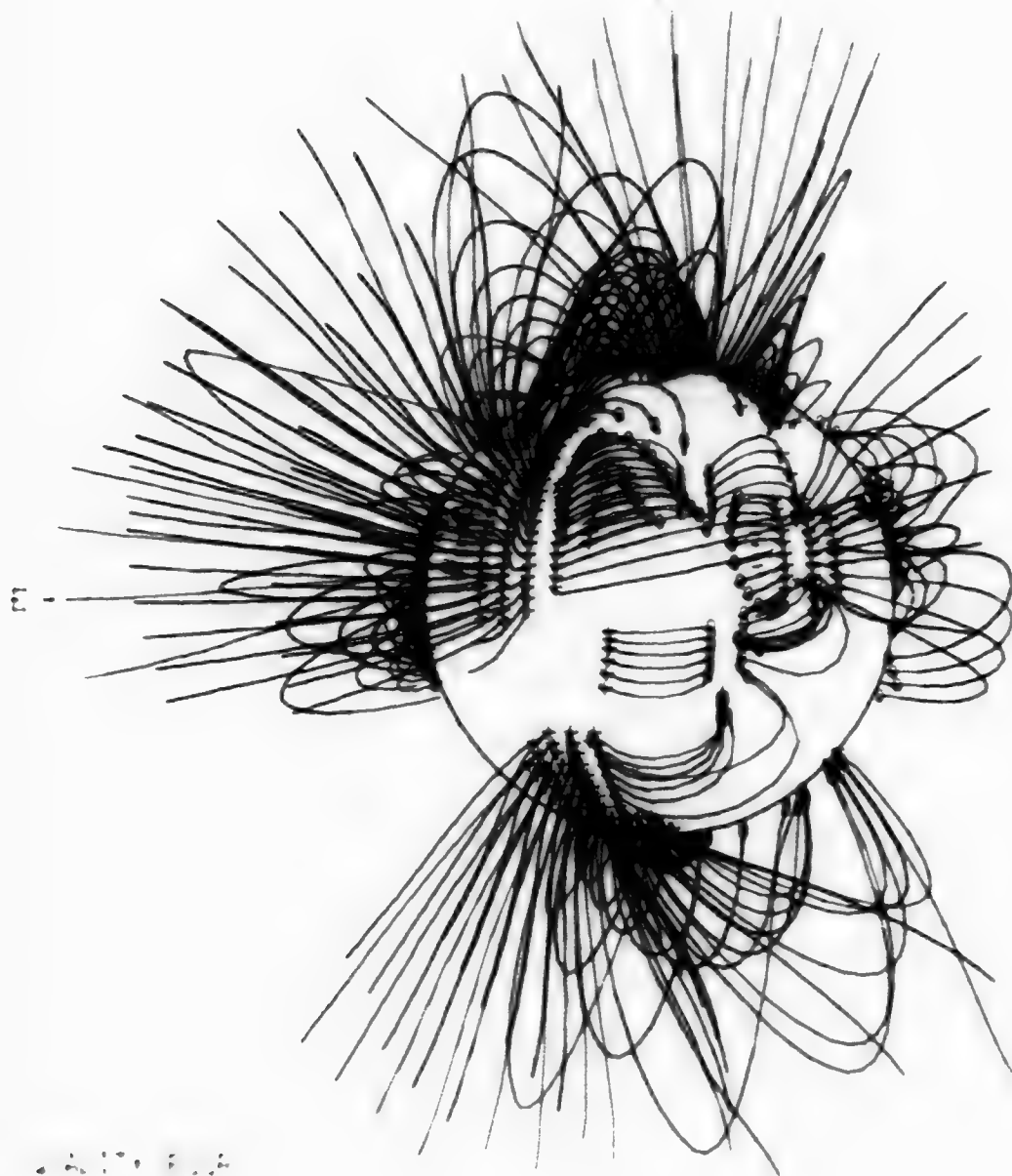
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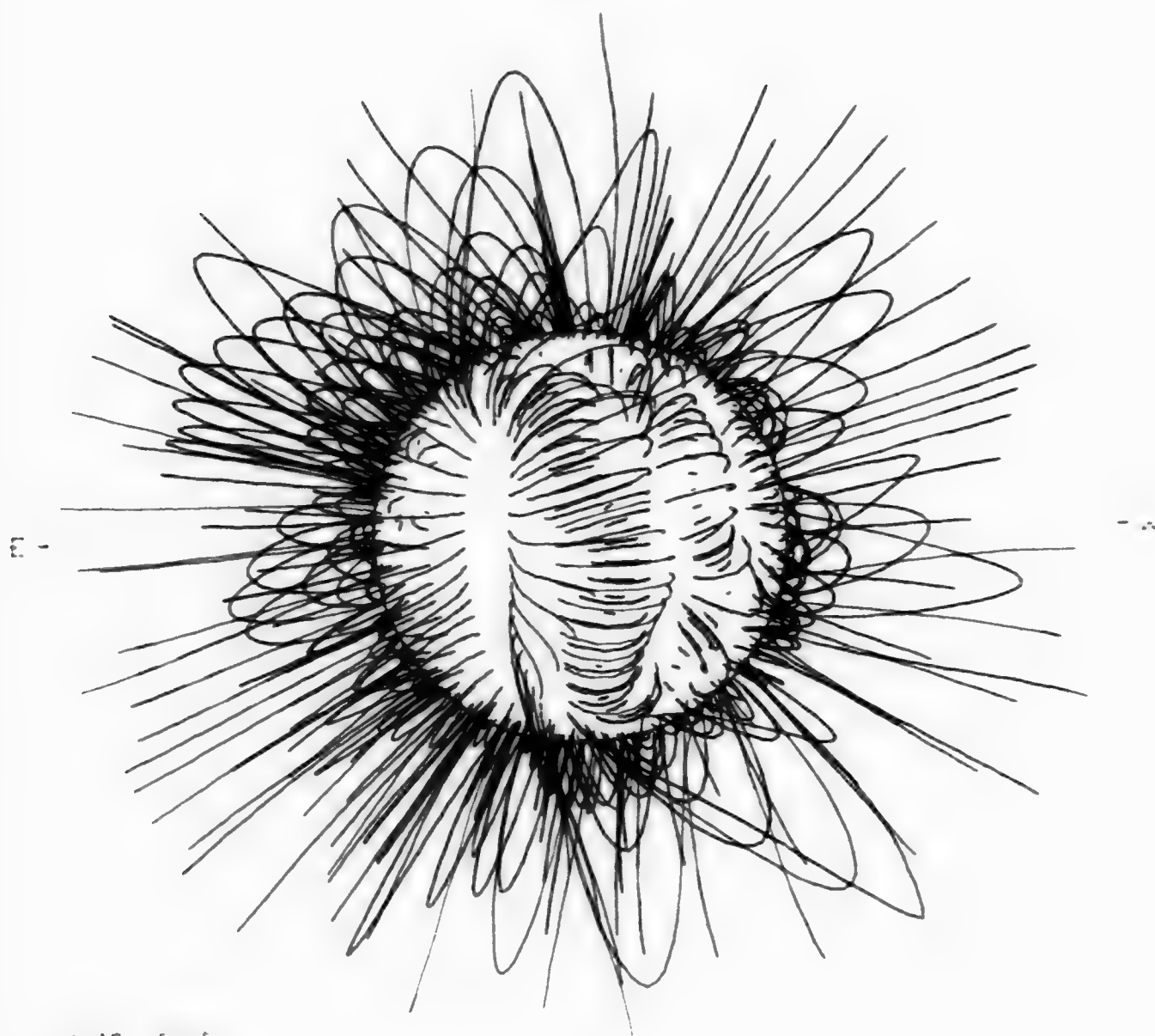
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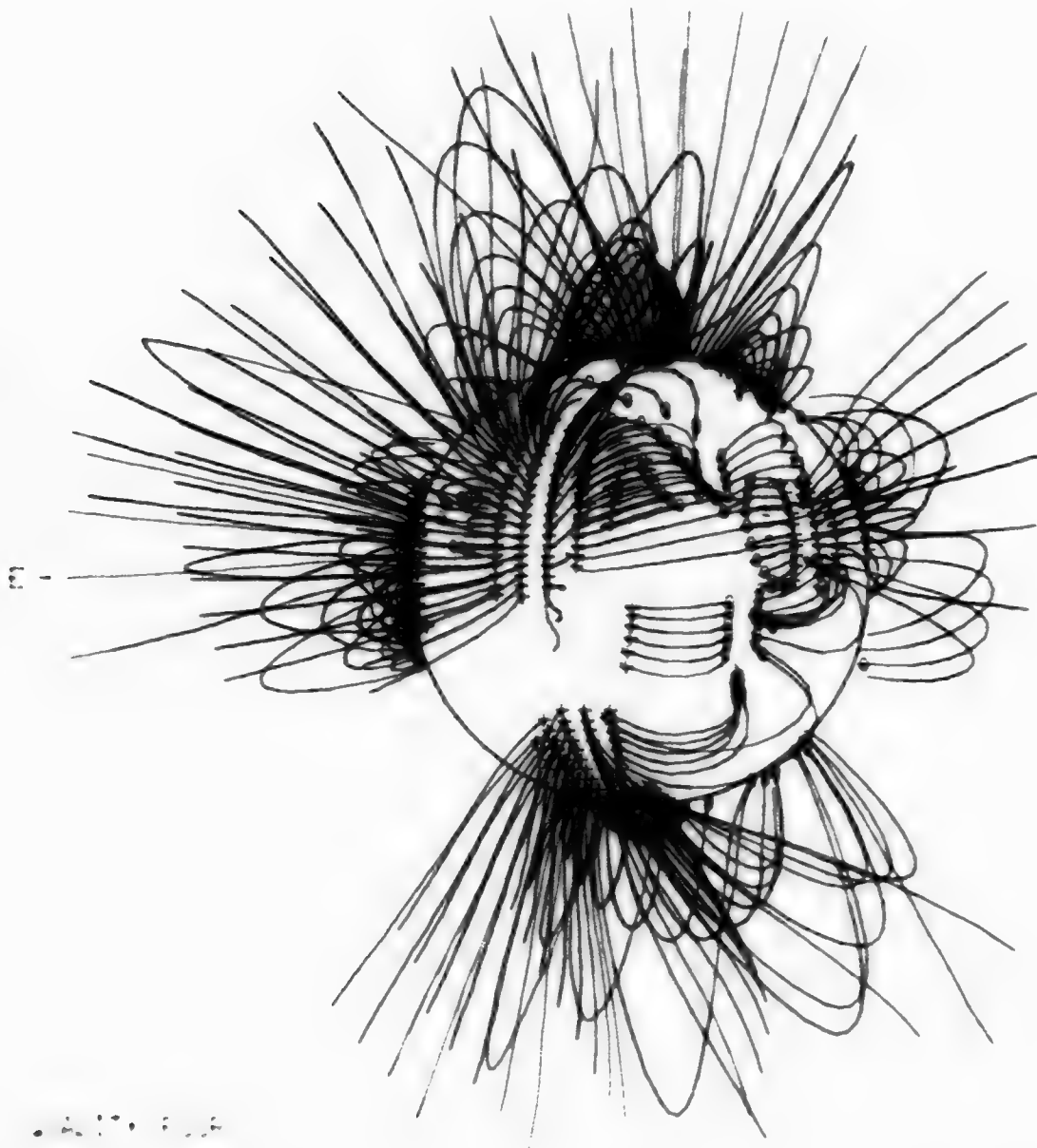
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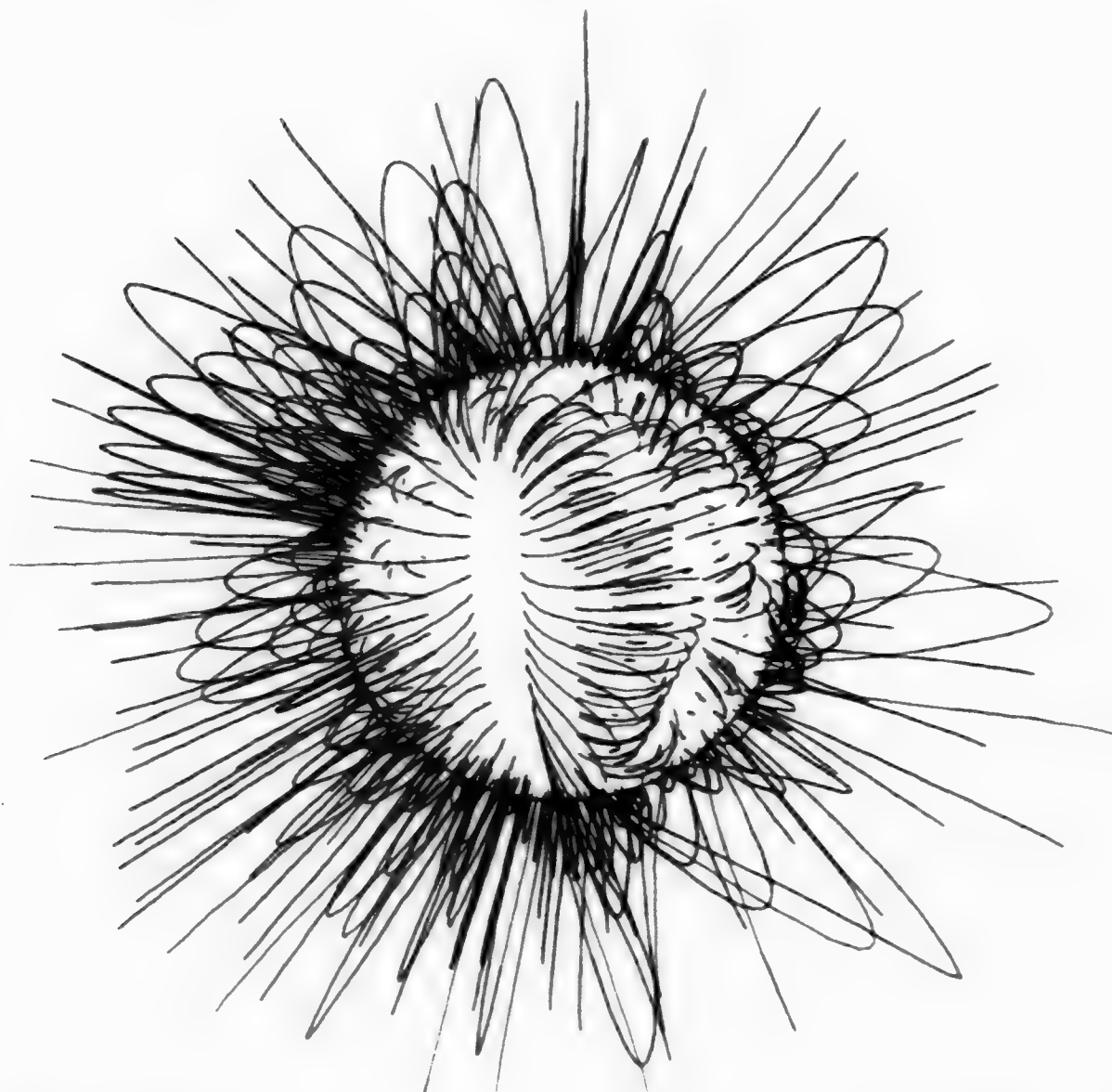
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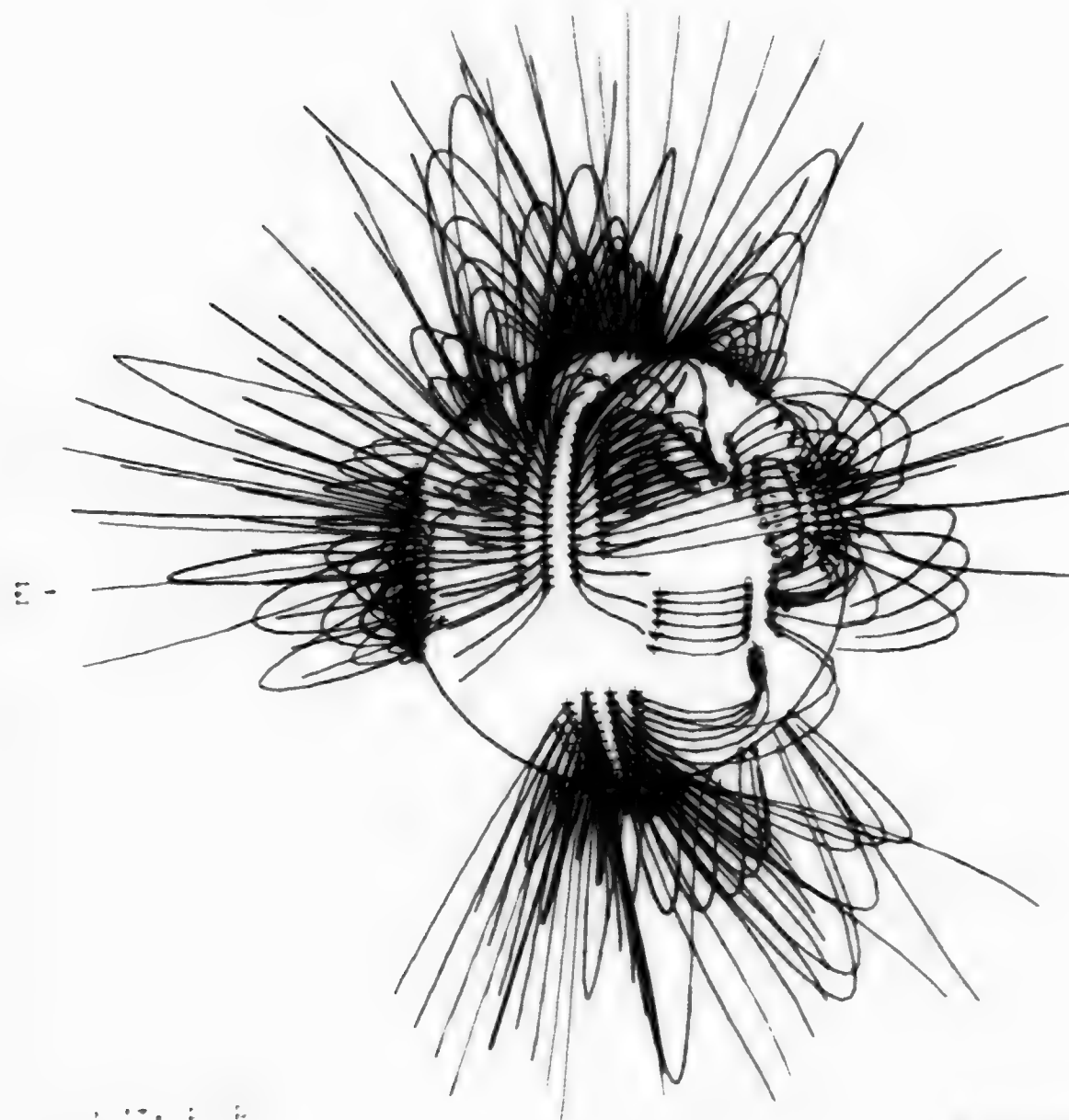
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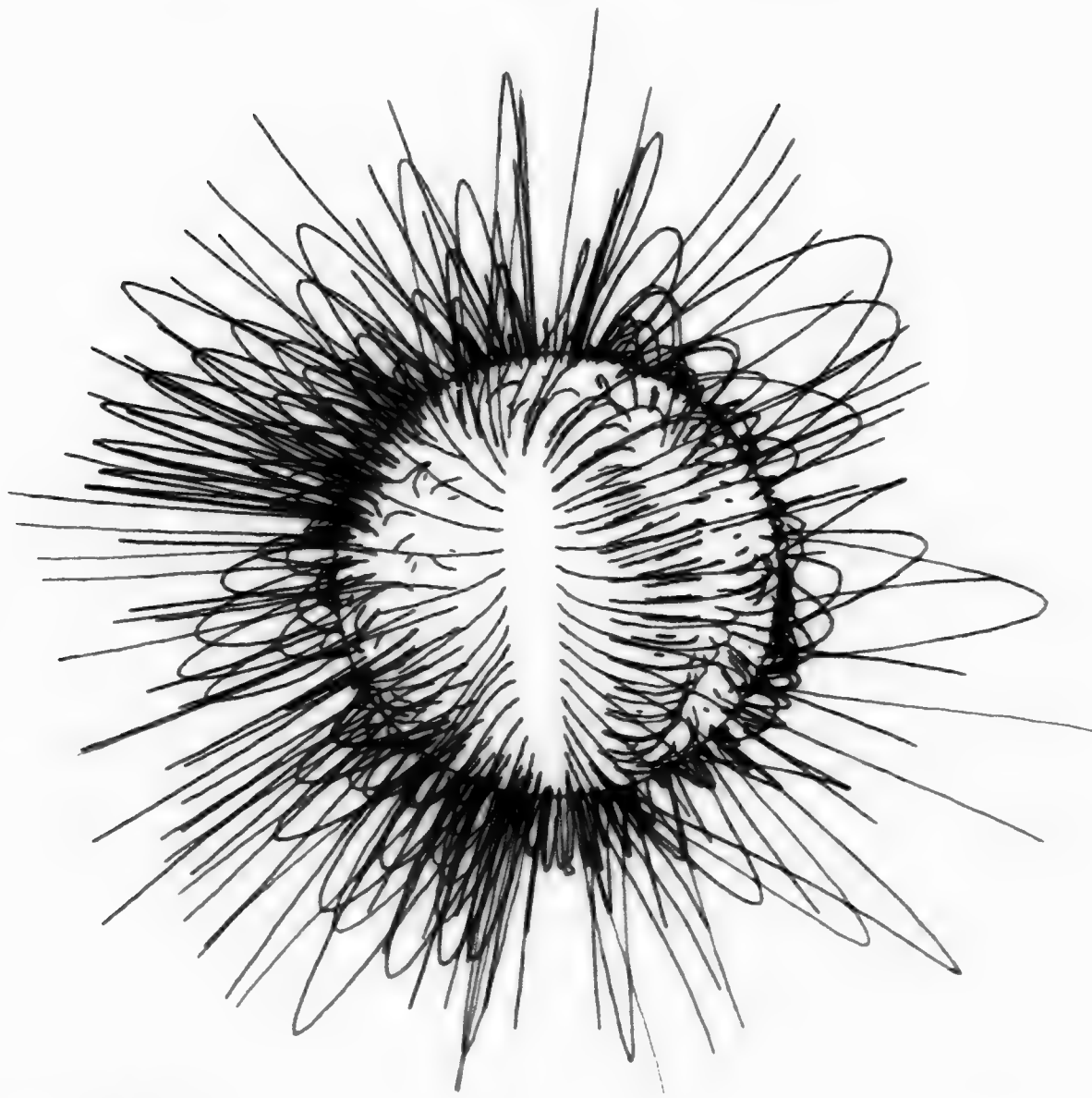
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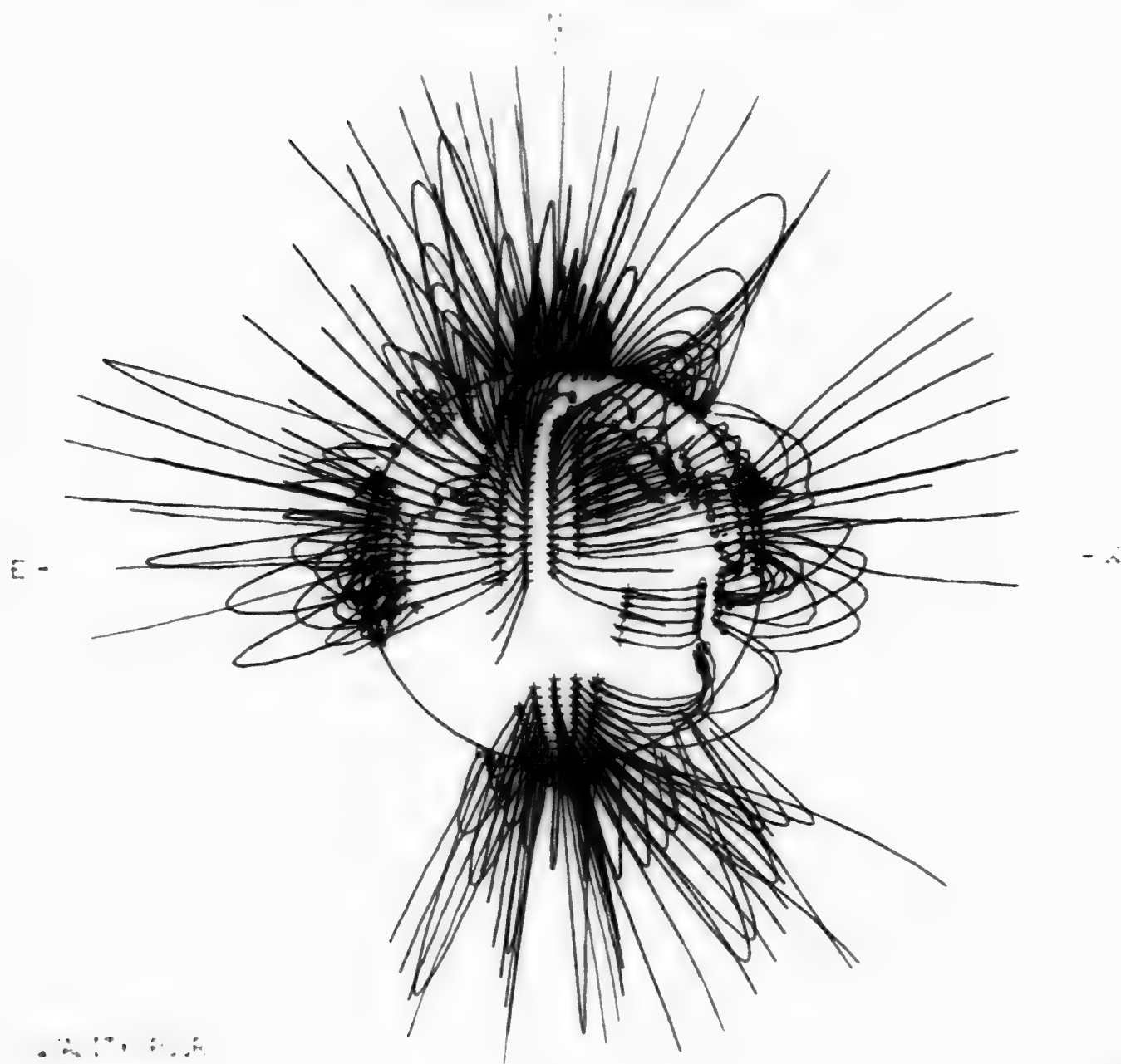
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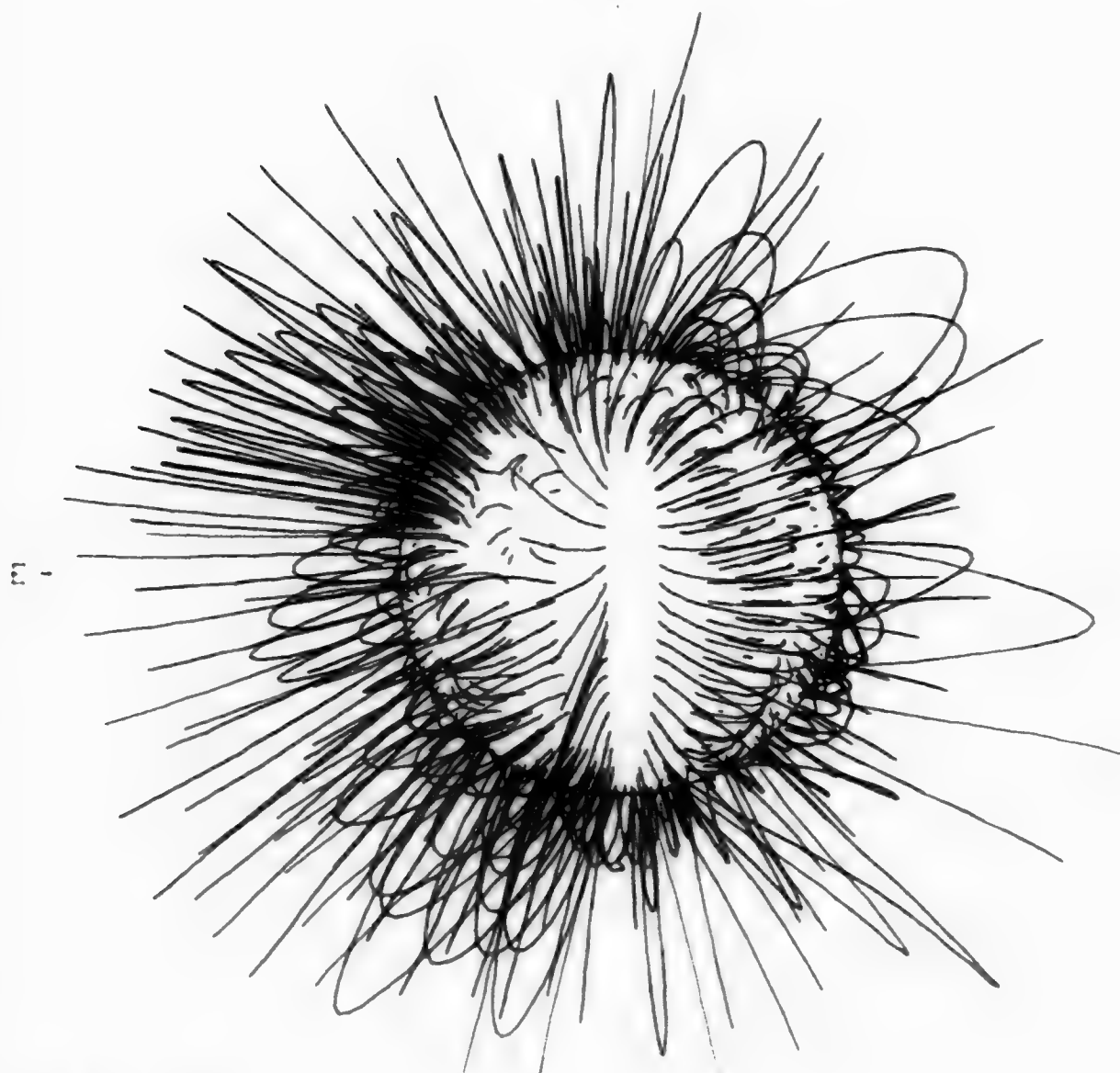
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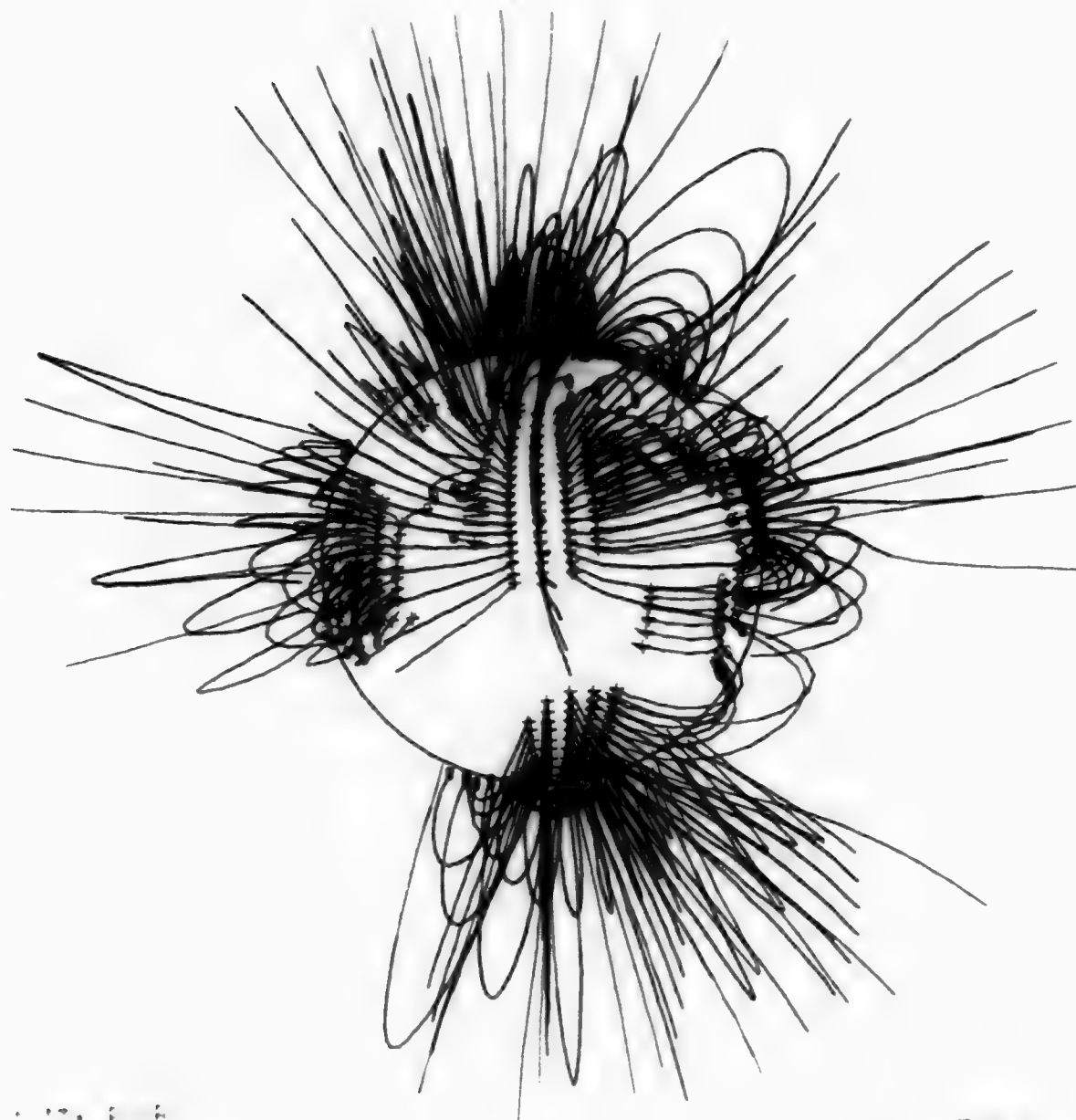
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HALE OBSERVATORY
PUEBLO STREET
SANTA FE, N.M.

HALE OBSERVATORY
SANTA FE, N.M.

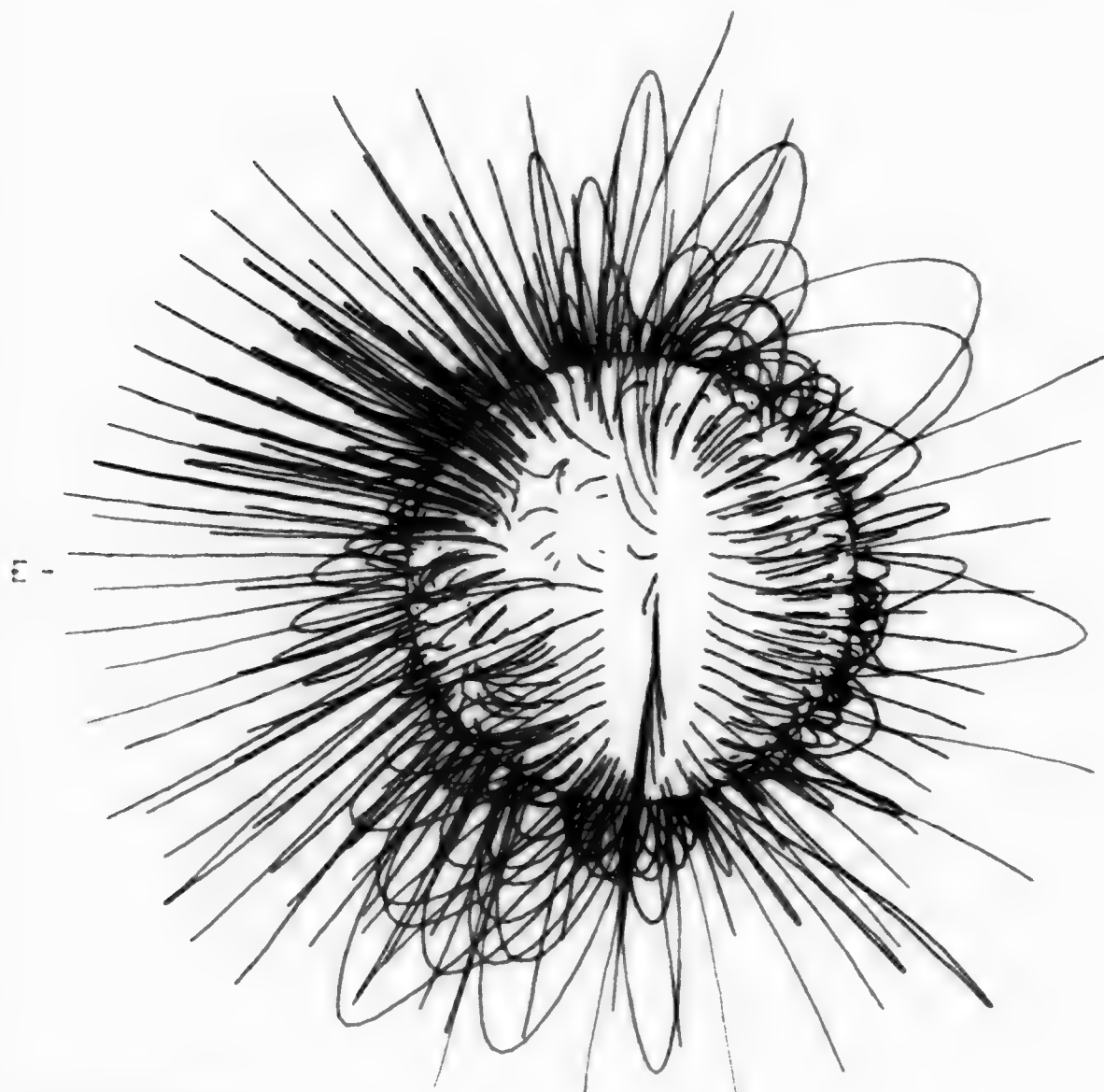
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

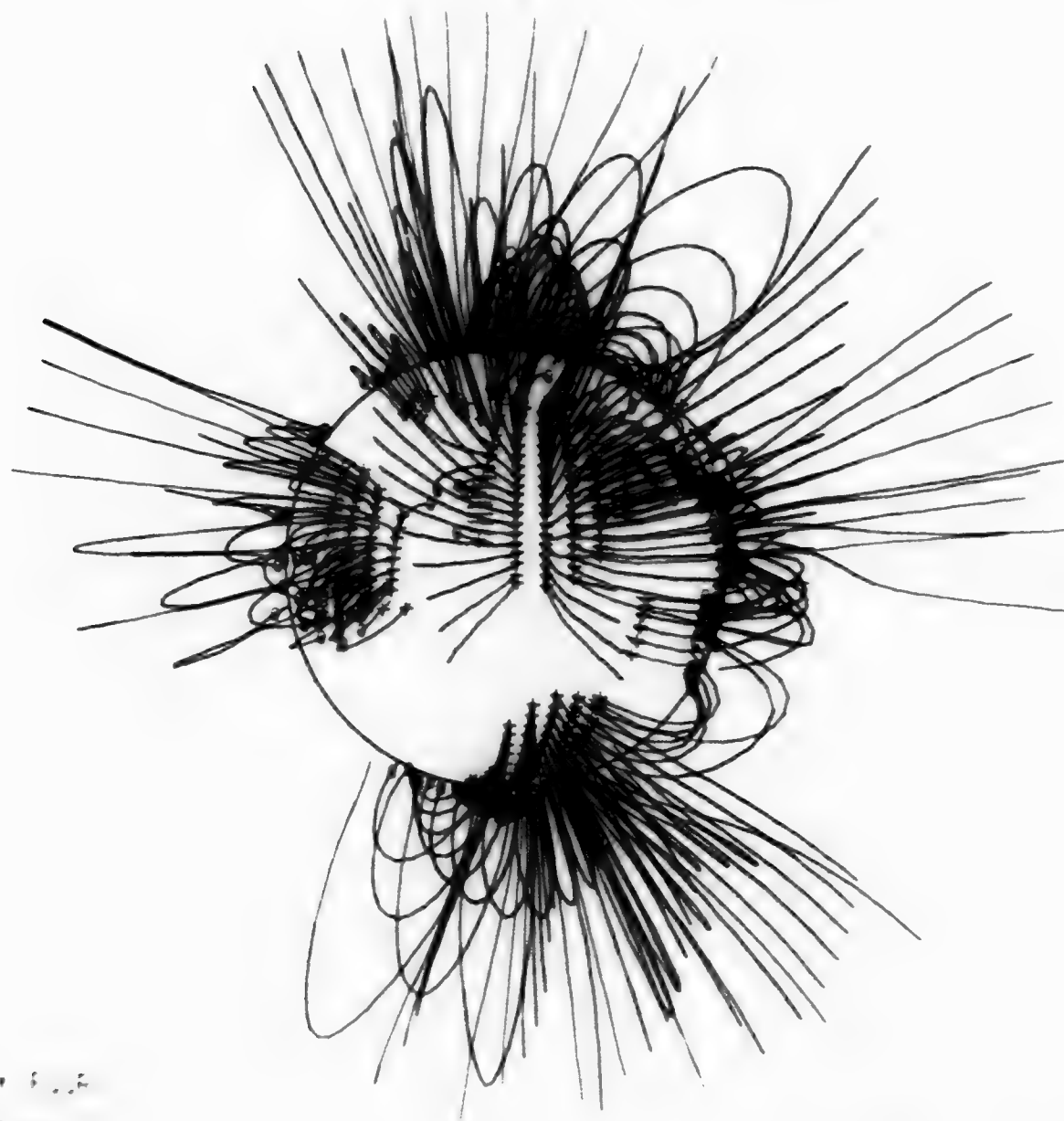
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HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

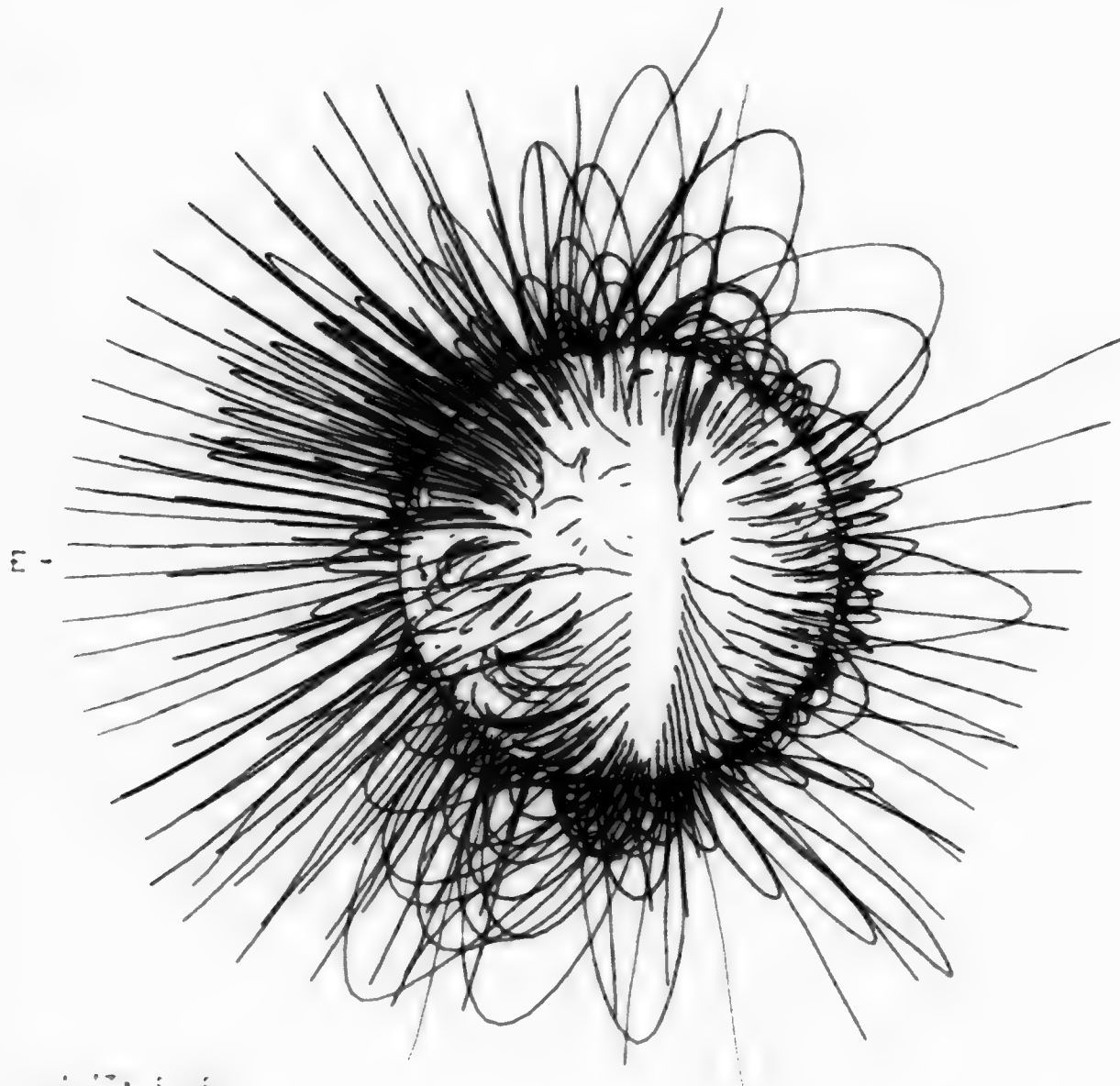
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
POLES STREET
CATHEDRAL

HALE
POLES STREET
CATHEDRAL

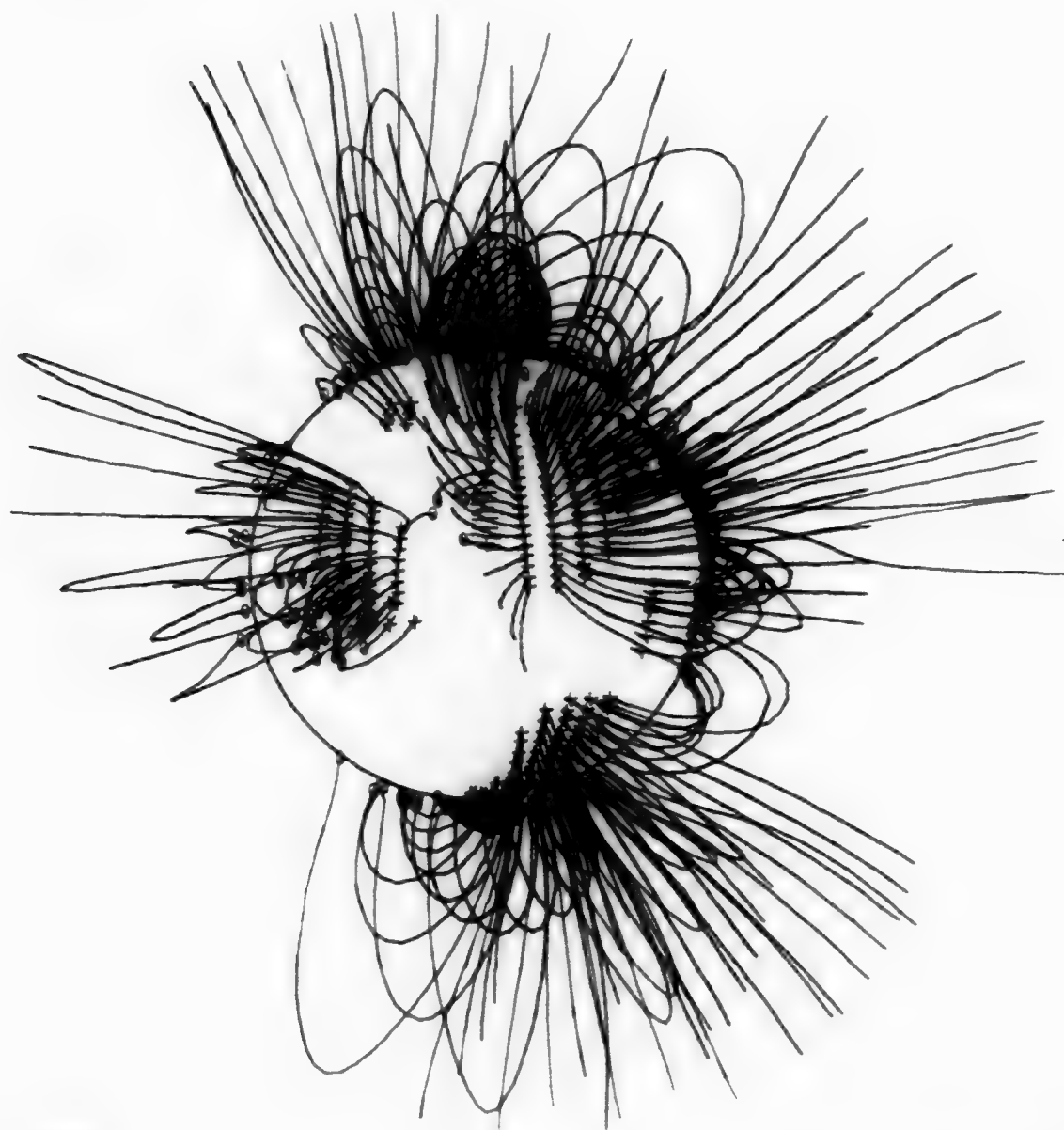
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 CATHARTIC OBSERVATORY

HALE OBSERVATORY
 HAILE OBSERVATORIES
 CATHARTIC OBSERVATORY

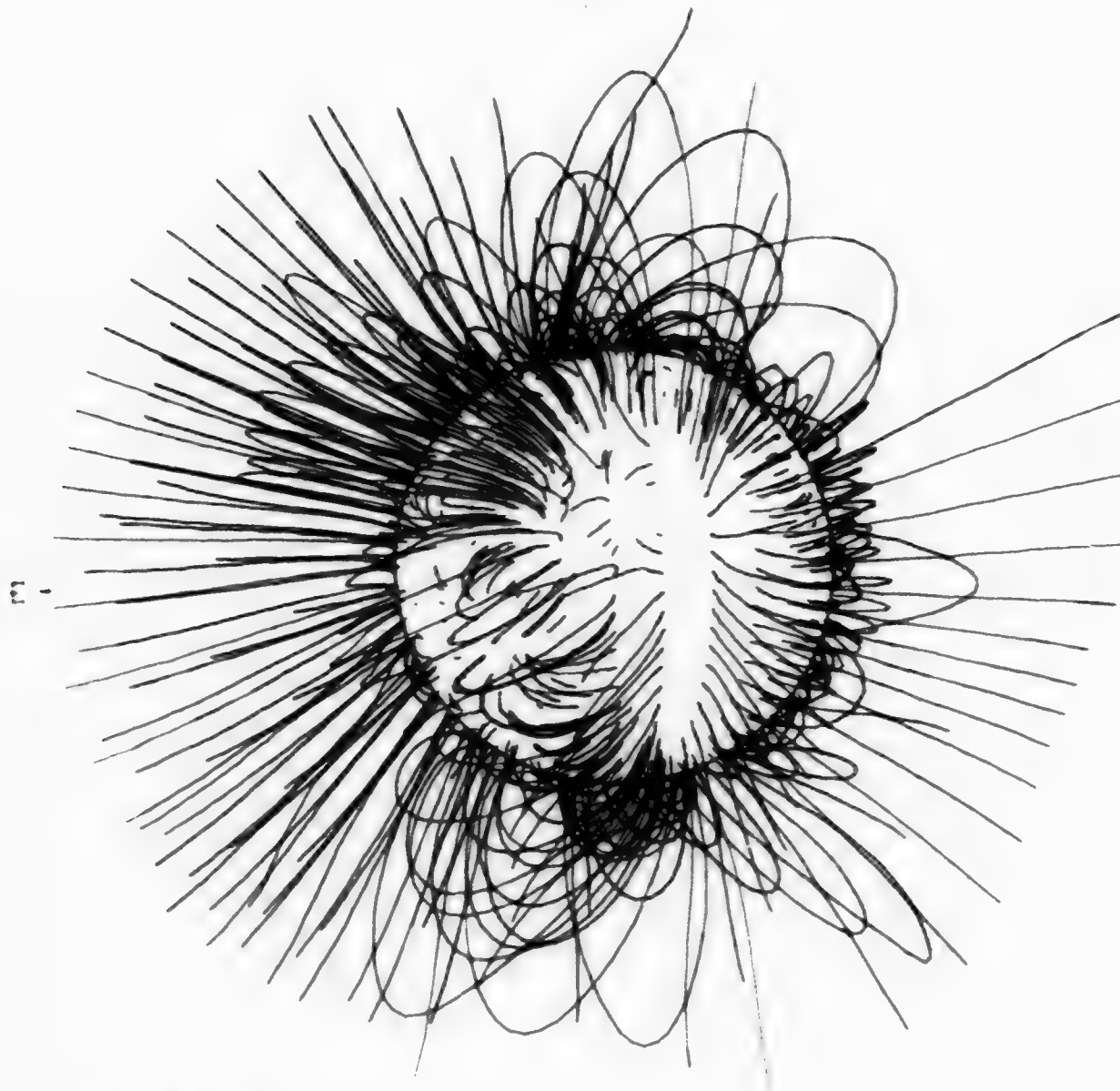
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA FOUR
 FILE 11967
 DATA WITHIN 1527.47

ALPHA FOUR
 FILE 11967
 DATA WITHIN 1527.47

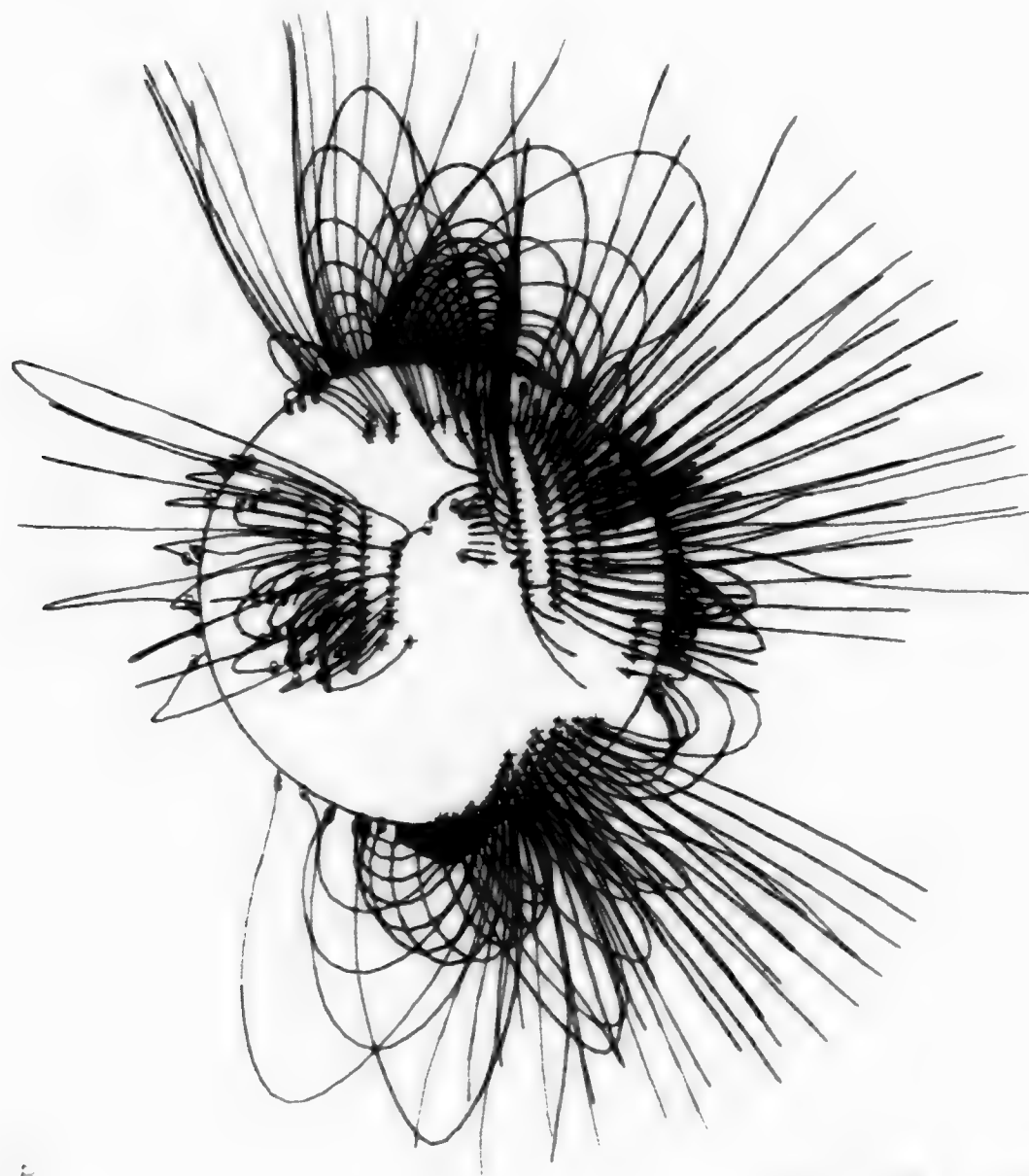
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

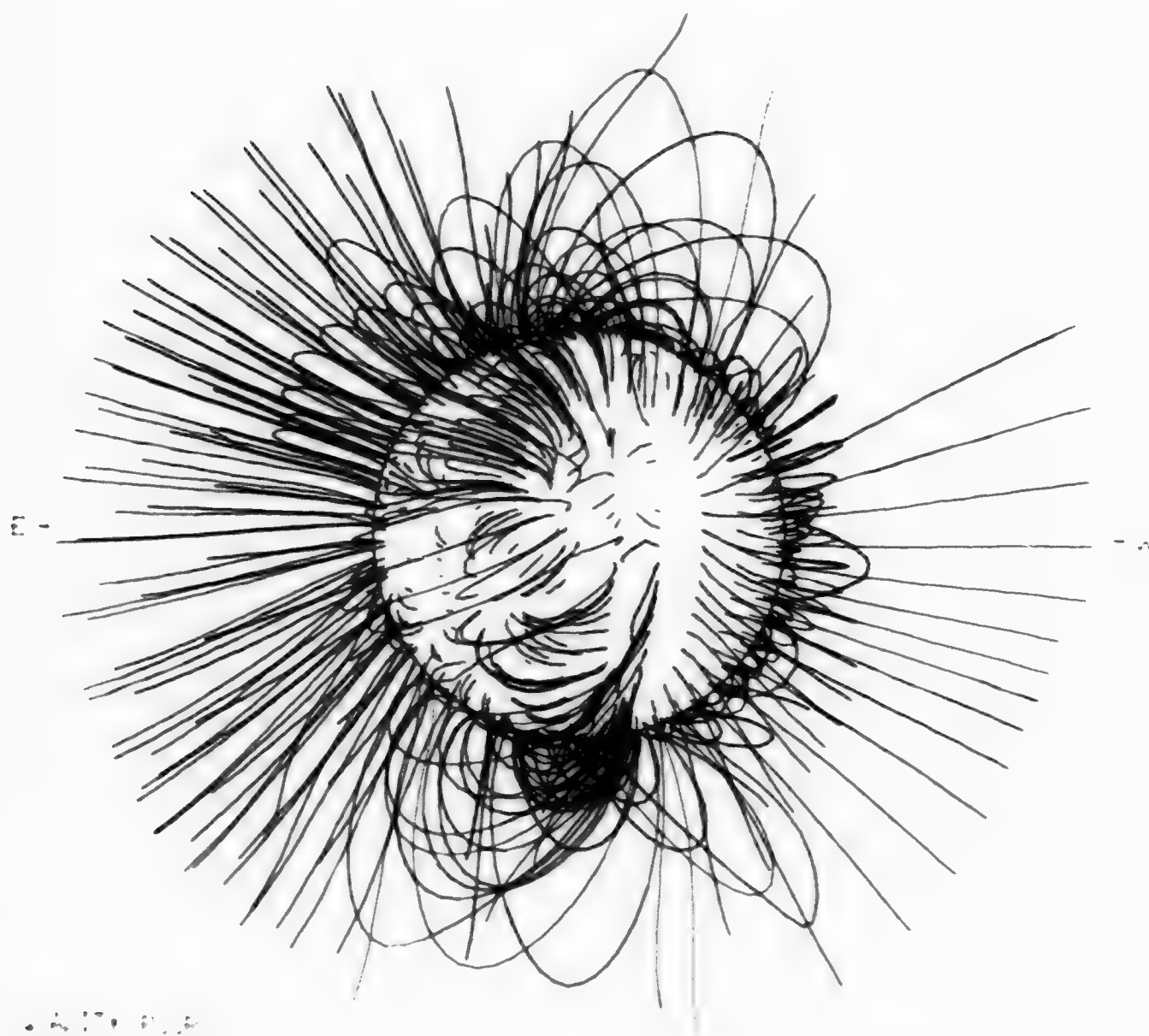
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1917-1918
 1919-1920

HALE OBSERVATORY
 1917-1918
 1919-1920

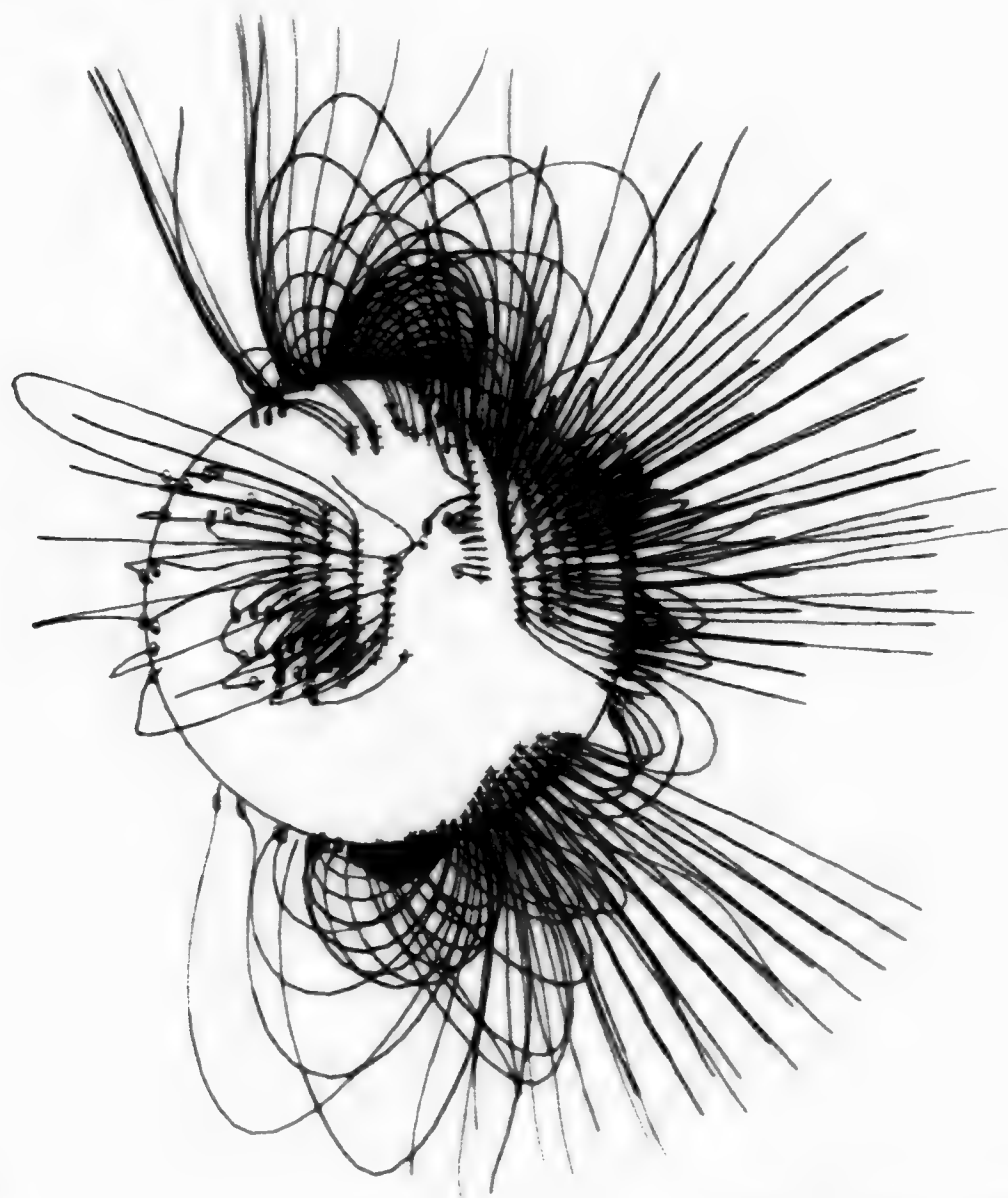
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AND/OR PHOTOGRAPH

HAILE OBSERVATORIES
 DATA AND/OR PHOTOGRAPH

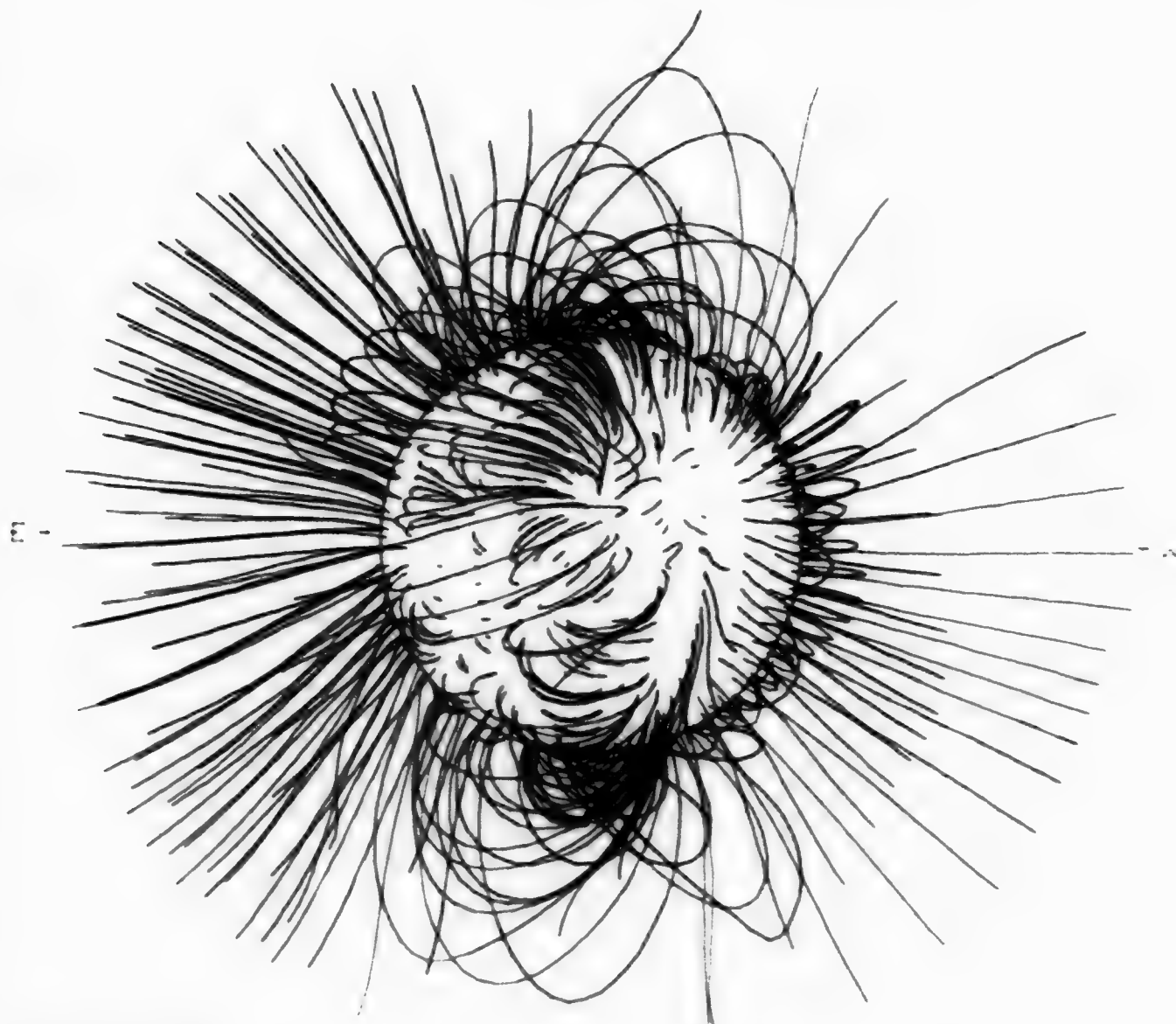
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY
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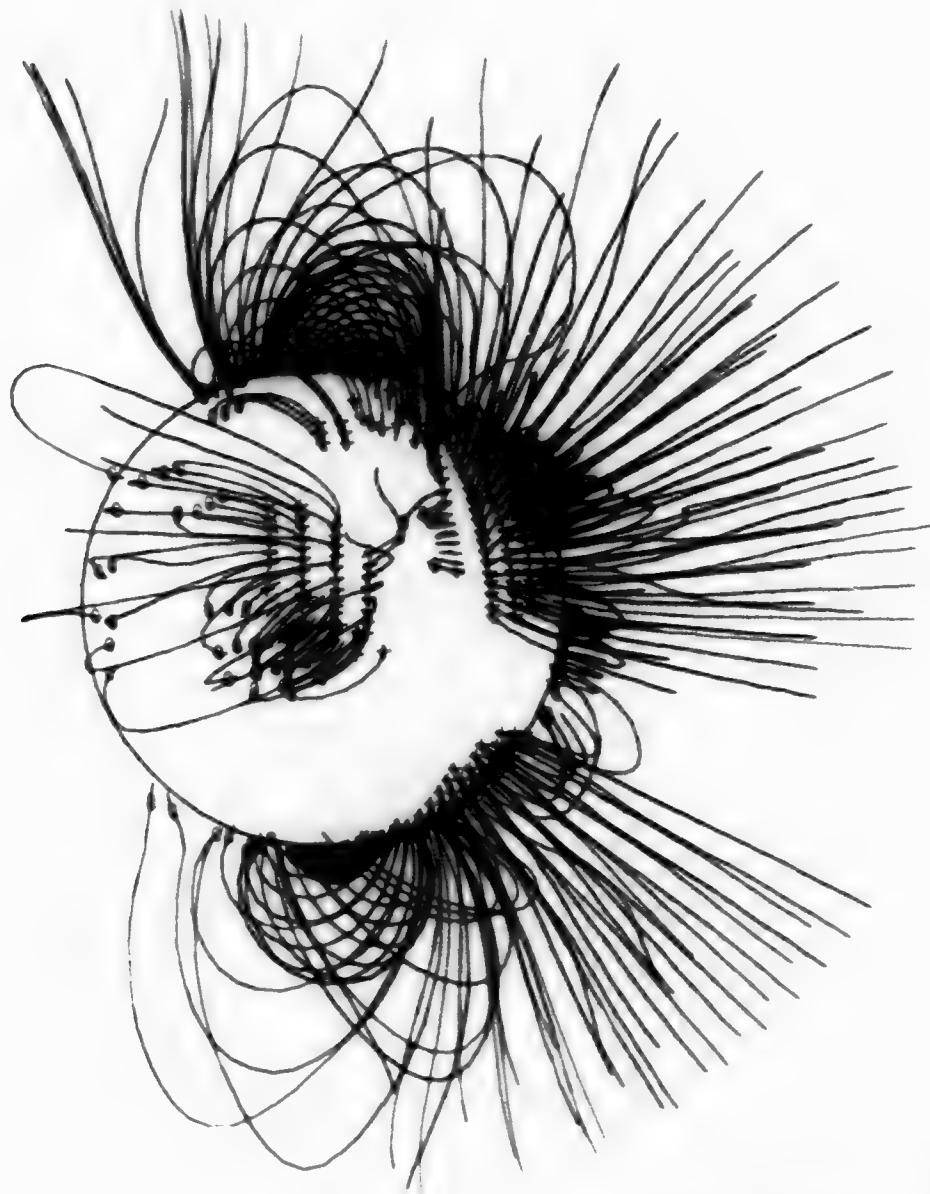
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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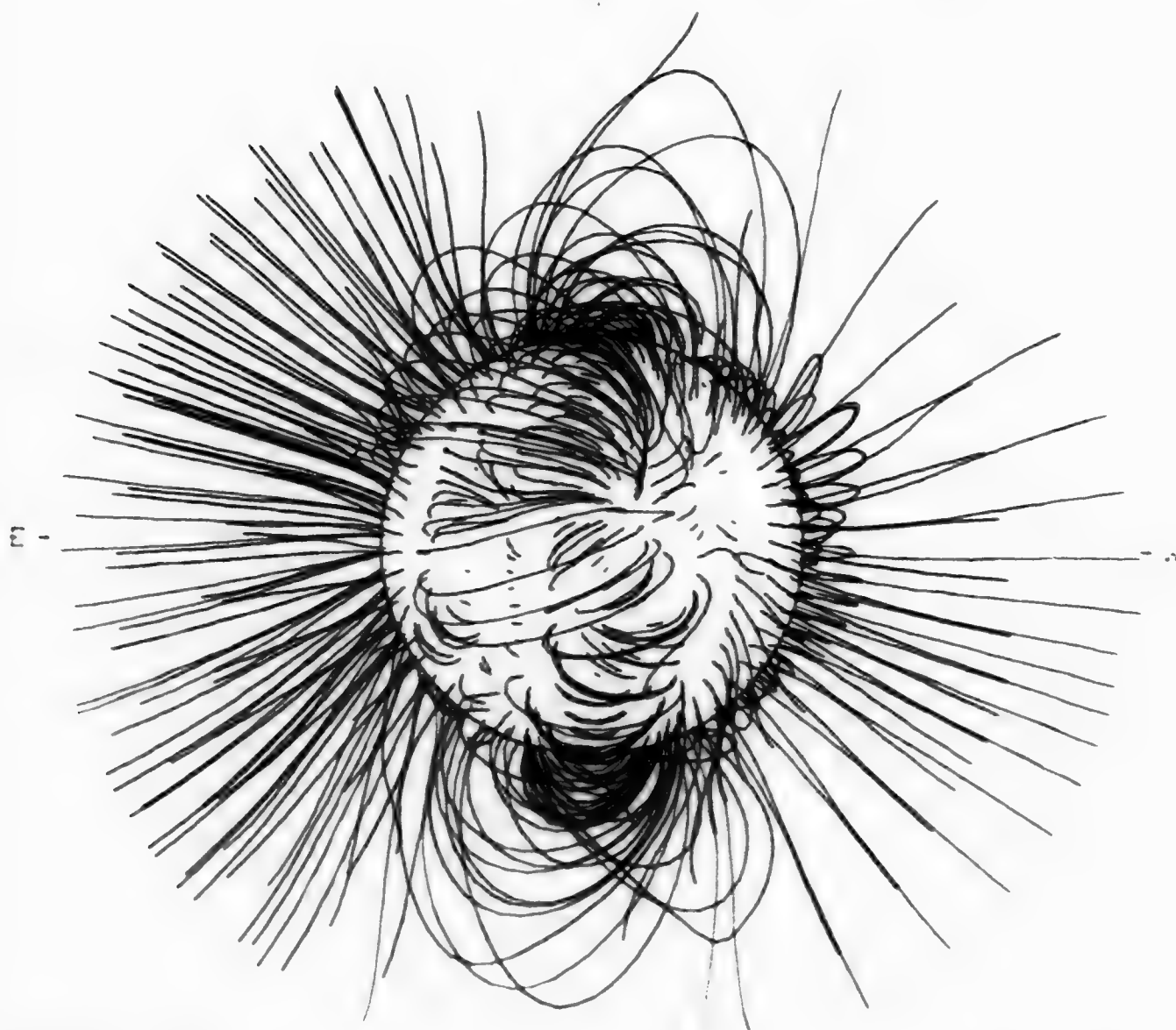
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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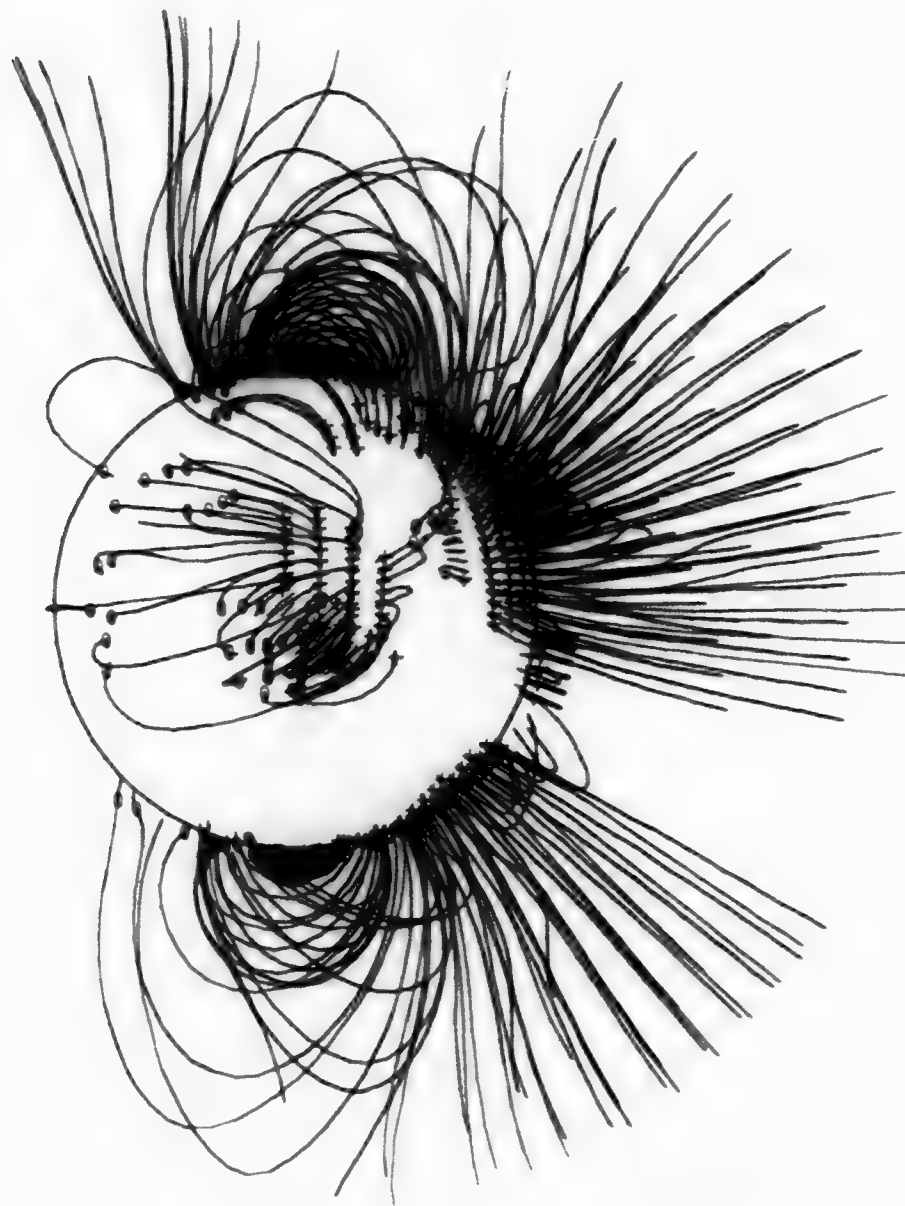
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE P.J.P.
PALES DIRECT
DATA WINDY 1964.4

HALE P.J.P.
PALES DIRECT
DATA WINDY 1964.4

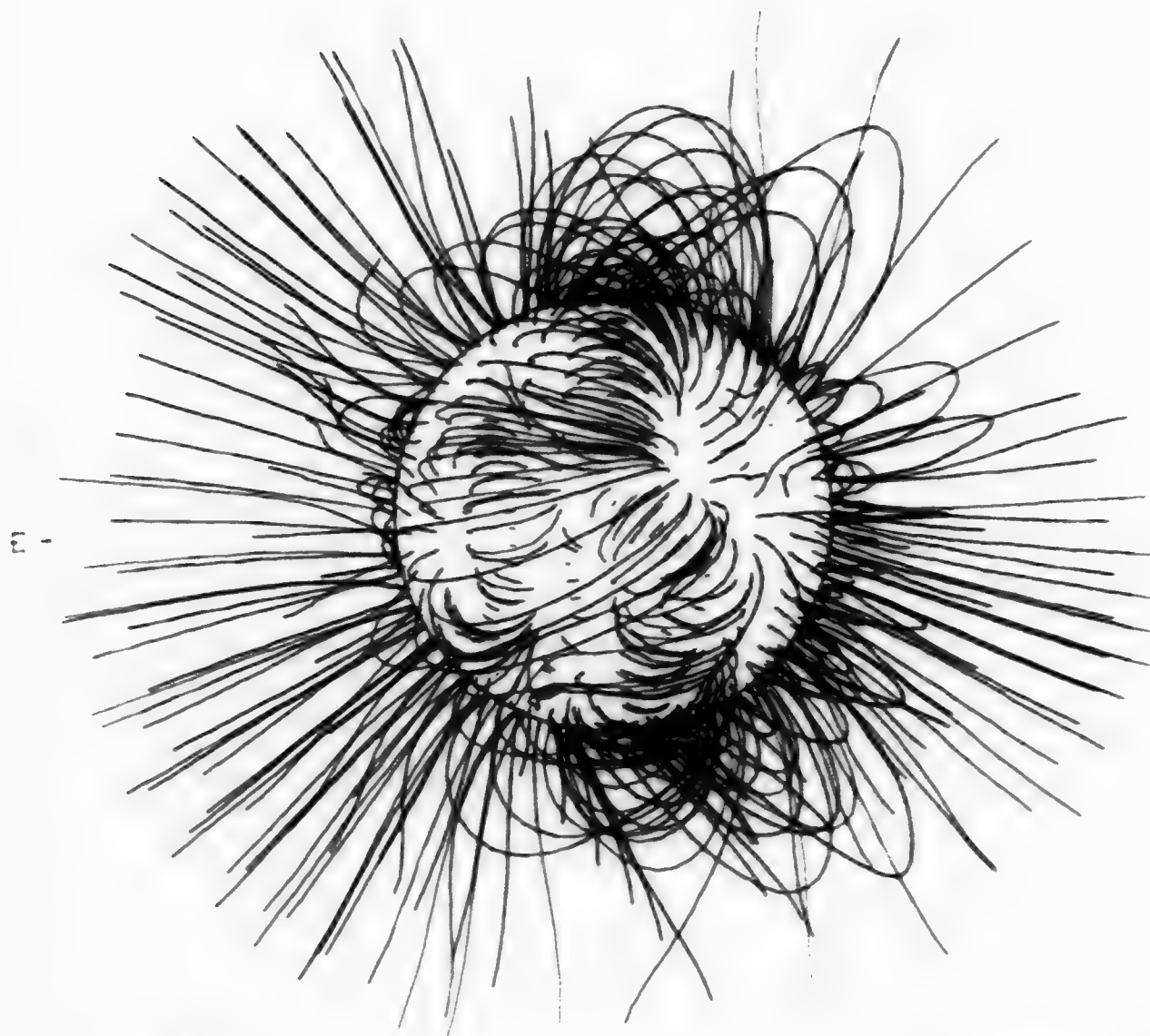
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HAILE OBSERVATORY
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 HAILE OBSERVATORY

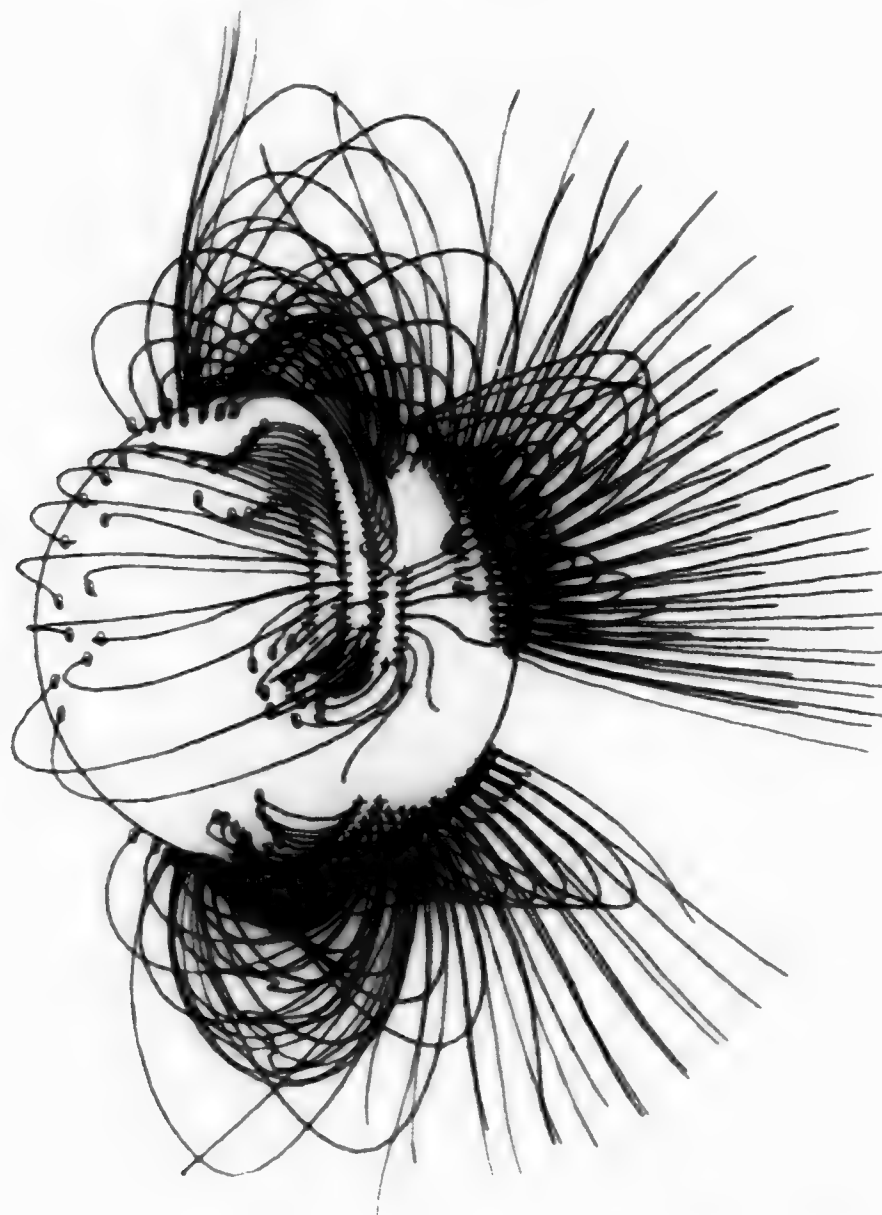
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

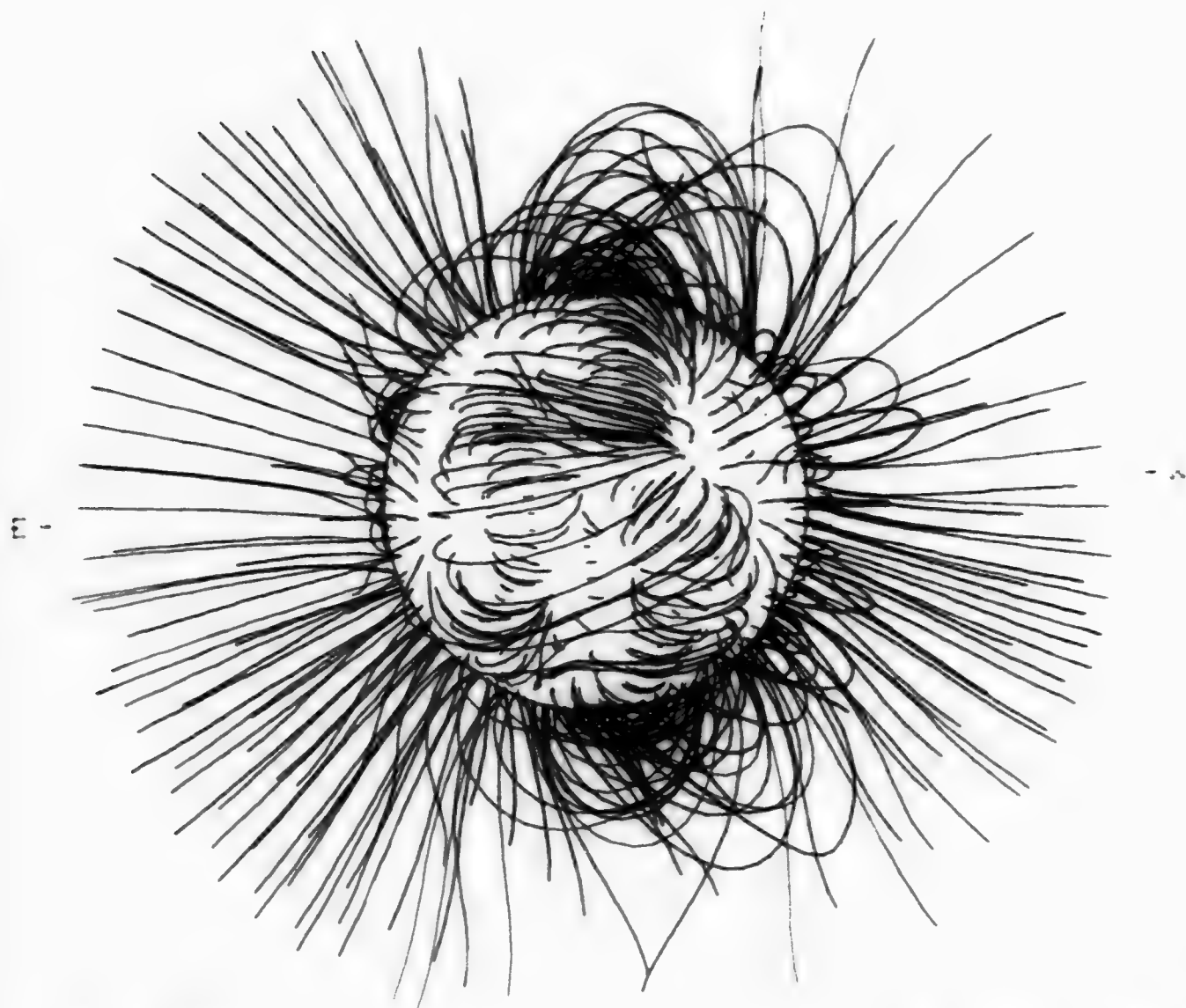
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 RADIO TELESCOPE
 DATA WITHIN 1960-1961

HALE OBSERVATORY
 RADIO TELESCOPE
 DATA WITHIN 1960-1961

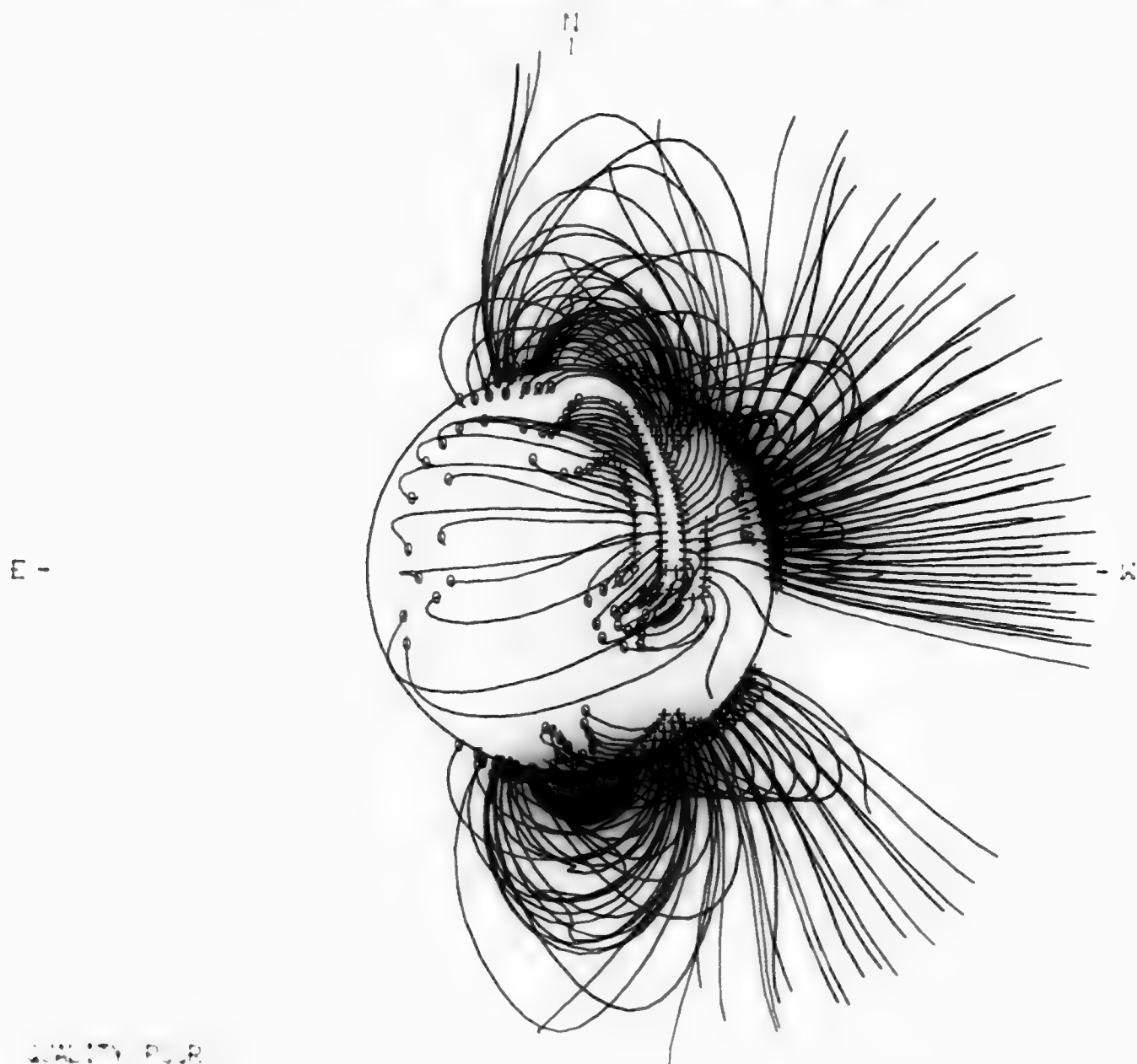
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AREA 1528.00

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AREA 1528.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

POLES DIRECT

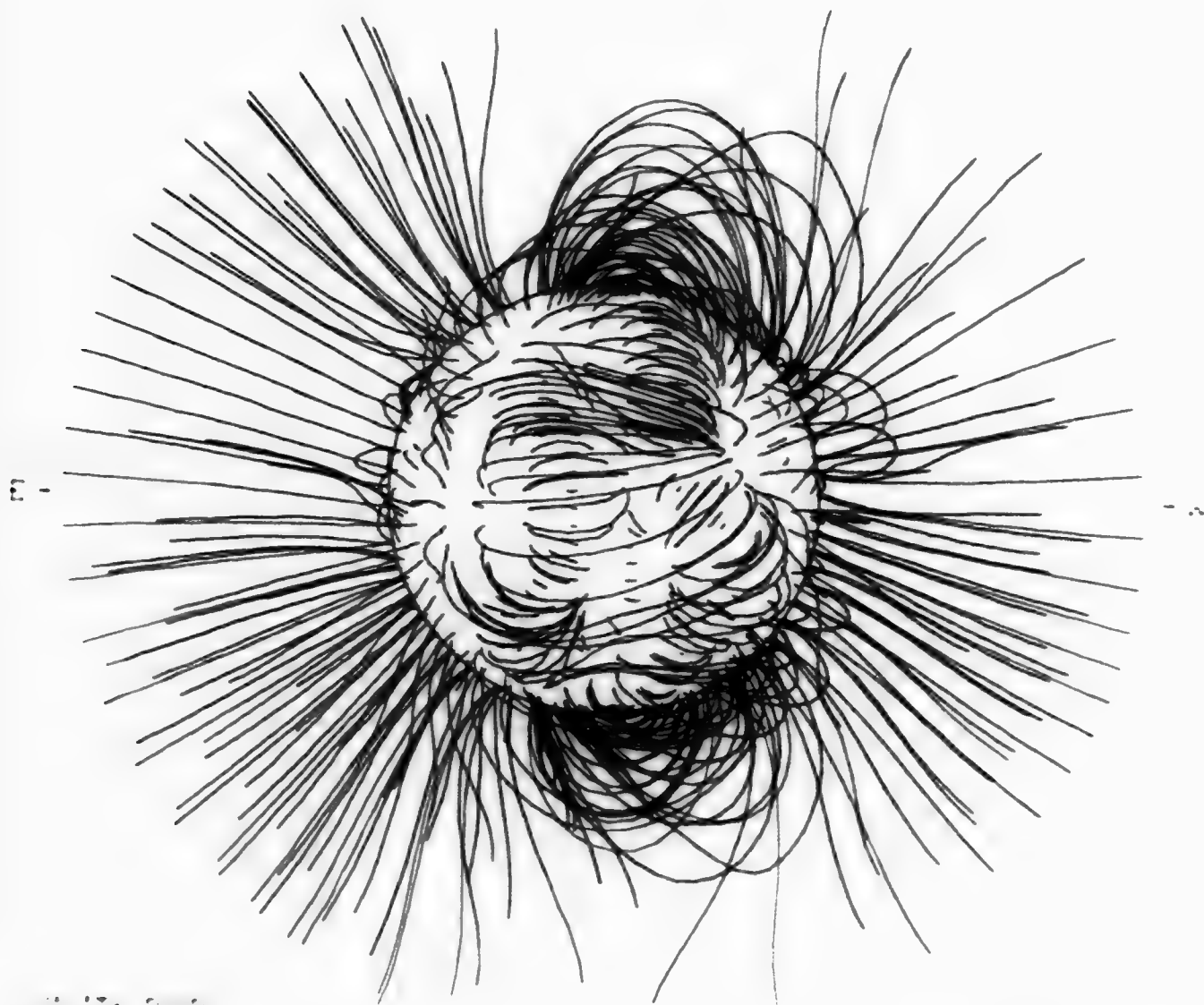
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S

ROT. 150H 100.0 150°

30.5 100.0 150°

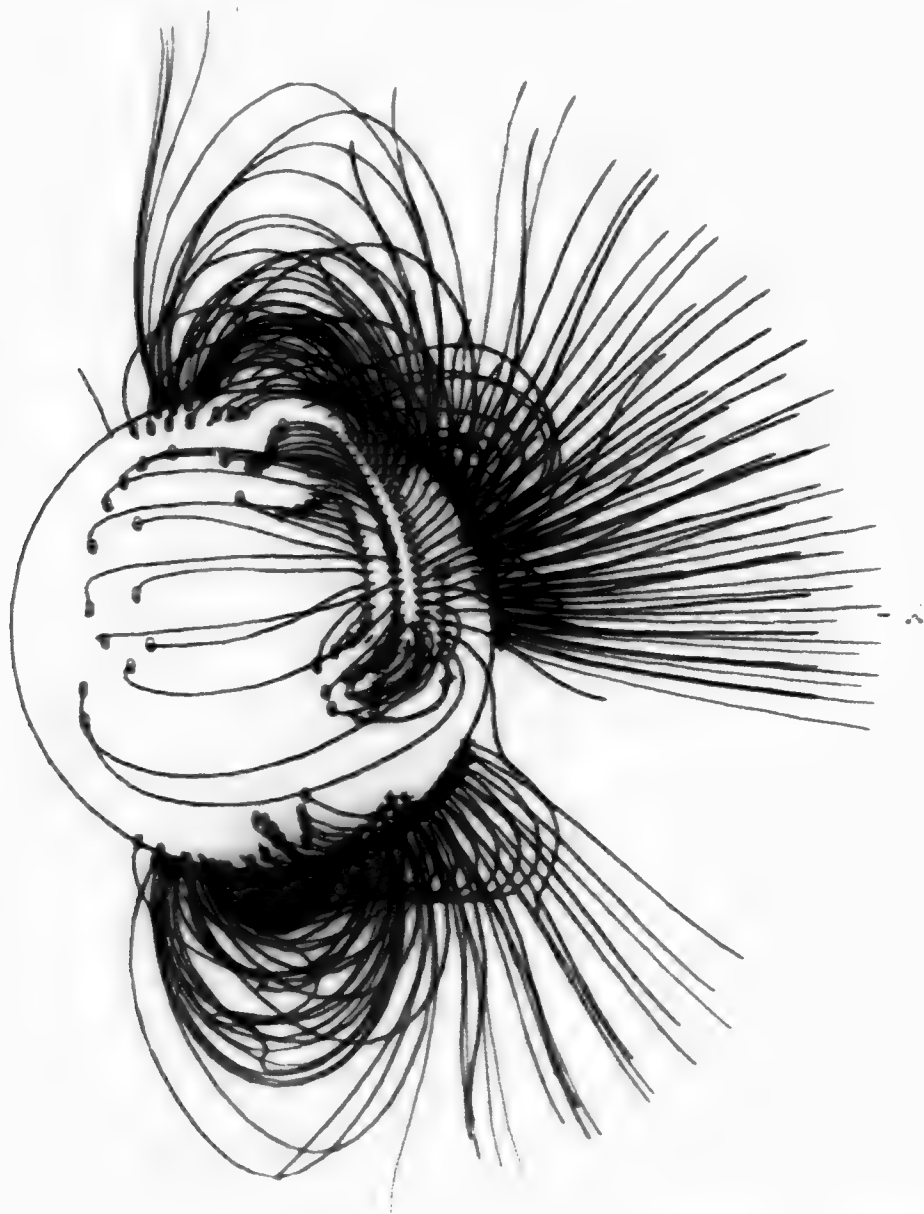
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA ANALYSIS PROGRAM

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA ANALYSIS PROGRAM

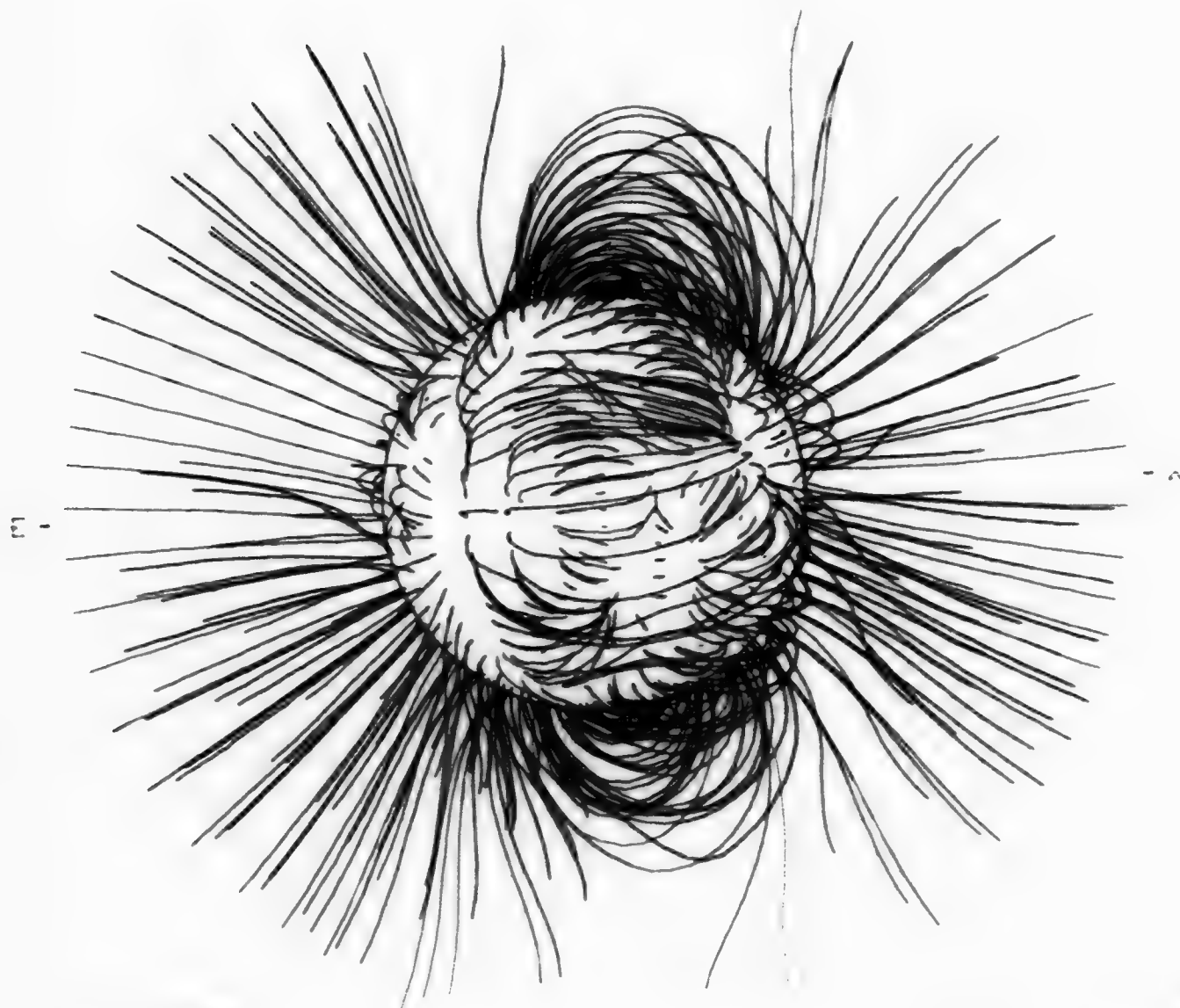
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA 100
 ALFA 100
 DATA 100 100 100

ALFA 100 100 100
 ALFA 100 100 100

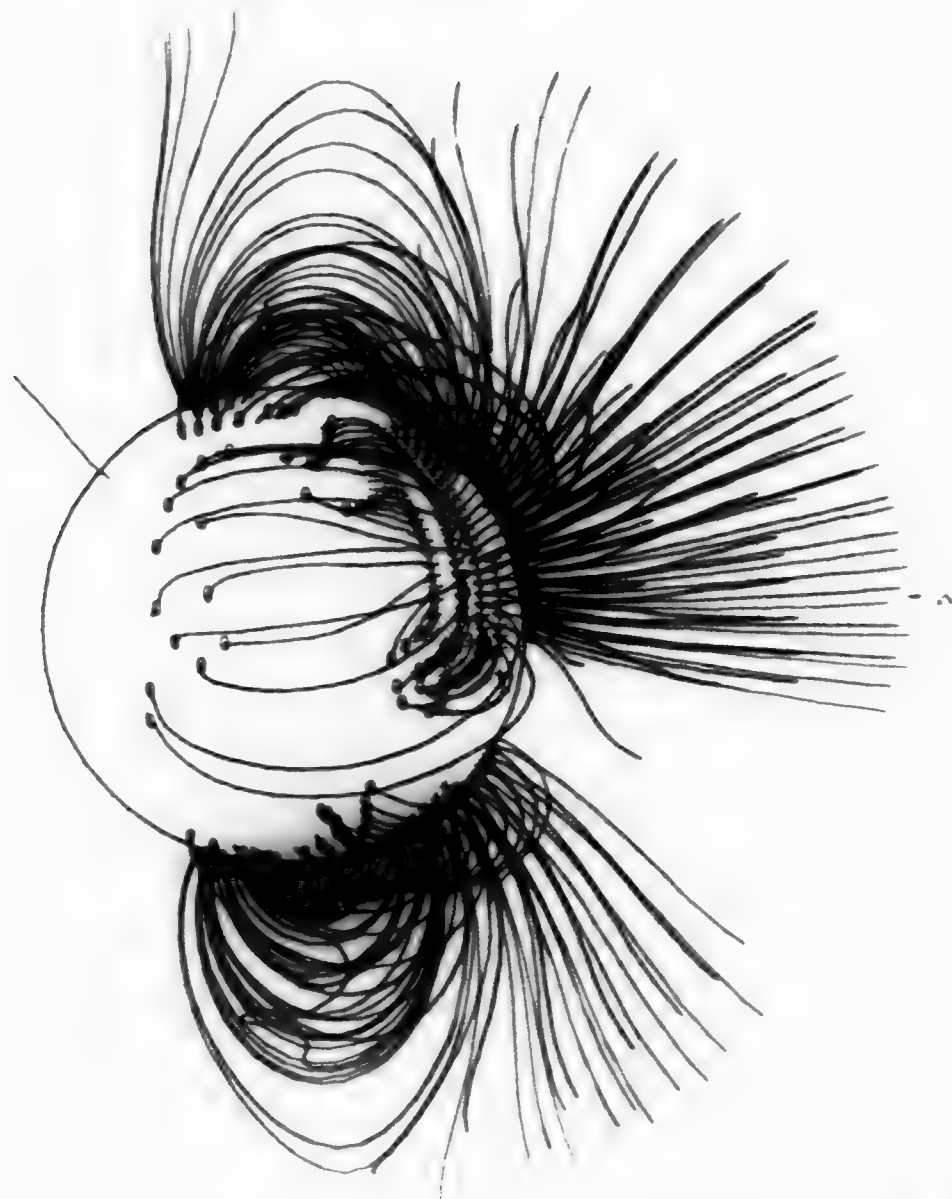
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



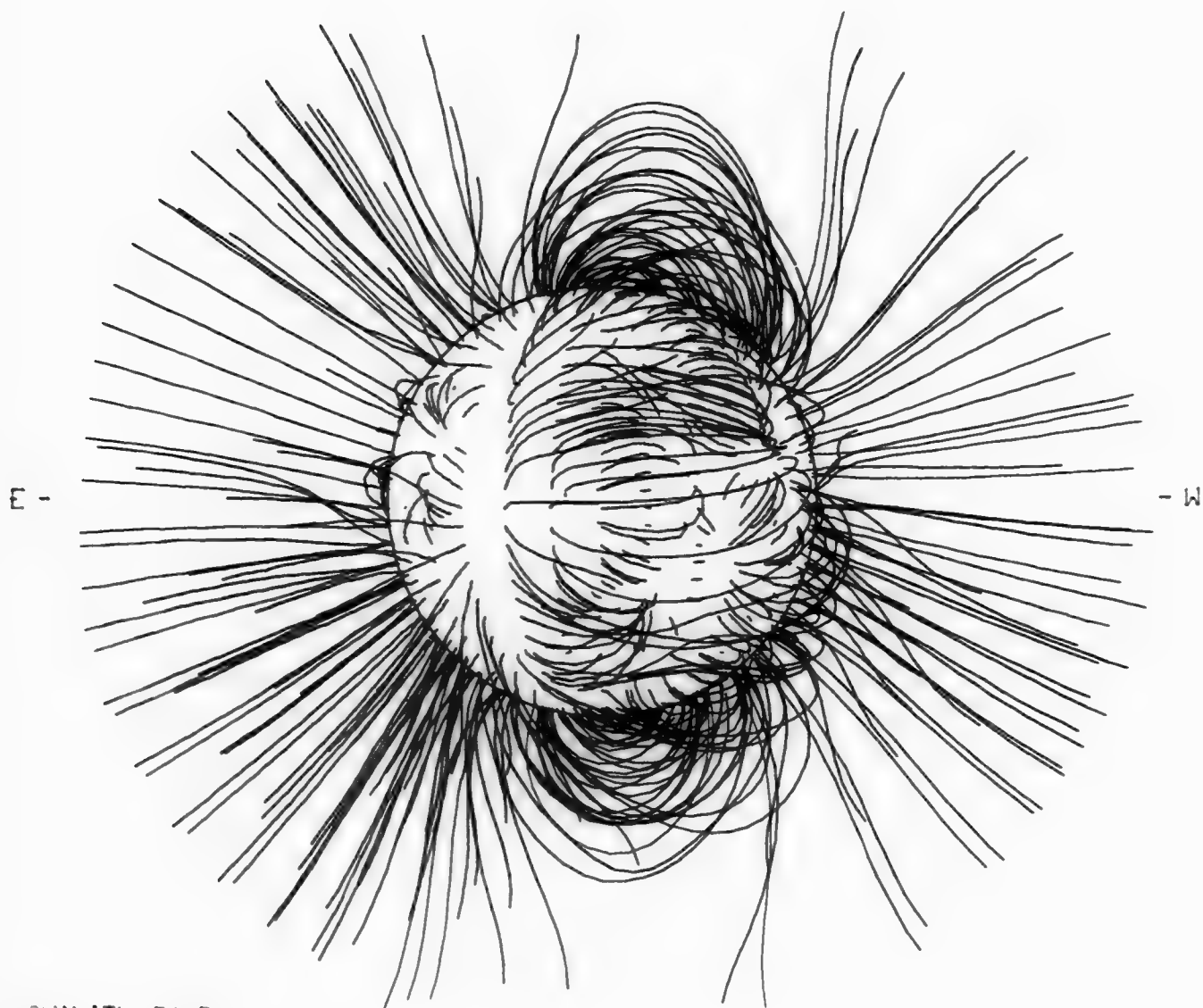
17 -

HALE OBSERVATORY
 HAILE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY POOR

POLES DIRECT

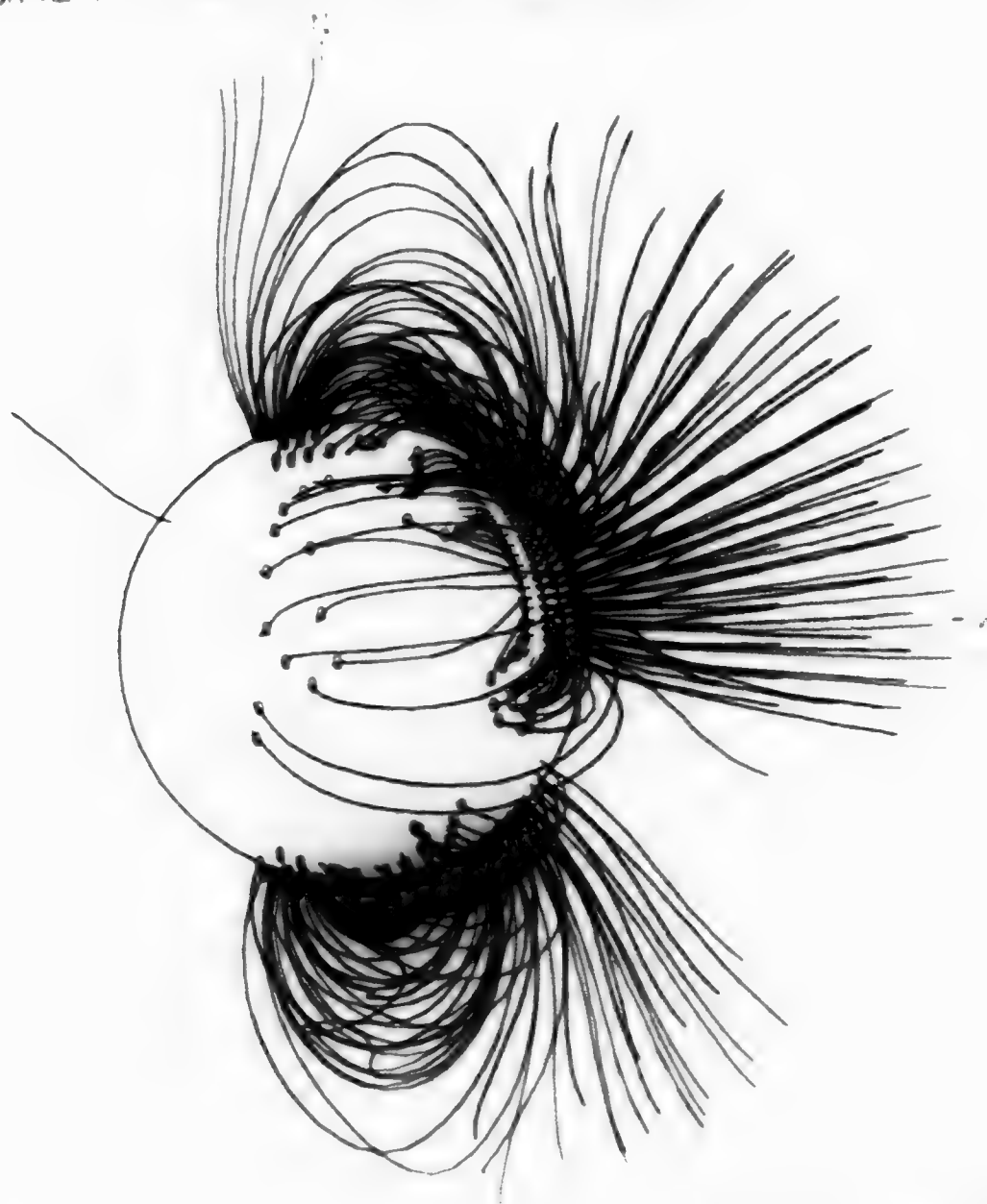
DATA WINDOW 1528.00

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ROT. 1528 LONG. 221°

2.8 DEC 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

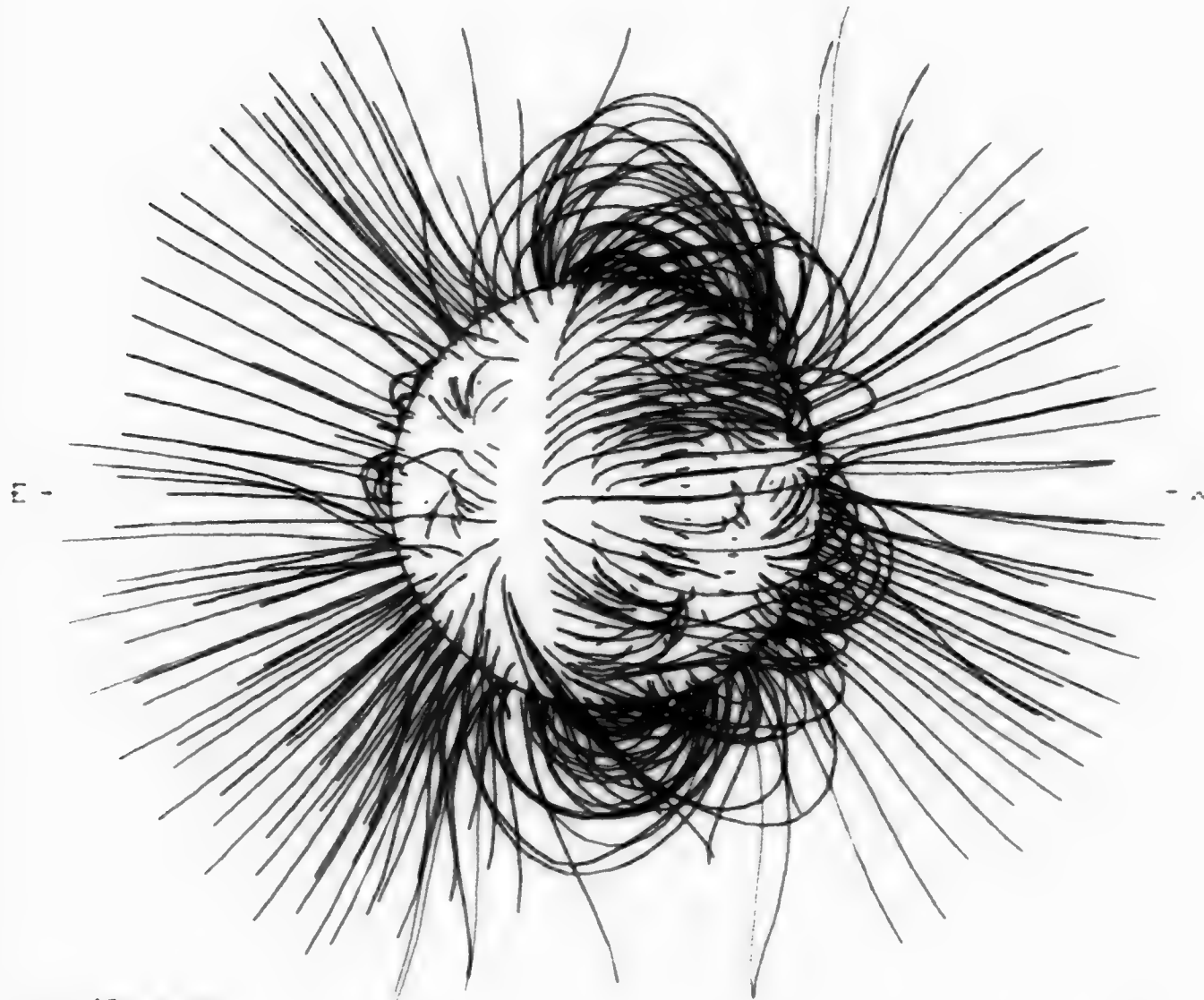


1 -

HALE OBSERVATORY
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HALE OBSERVATORY

HALE OBSERVATORY
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HALE OBSERVATORY

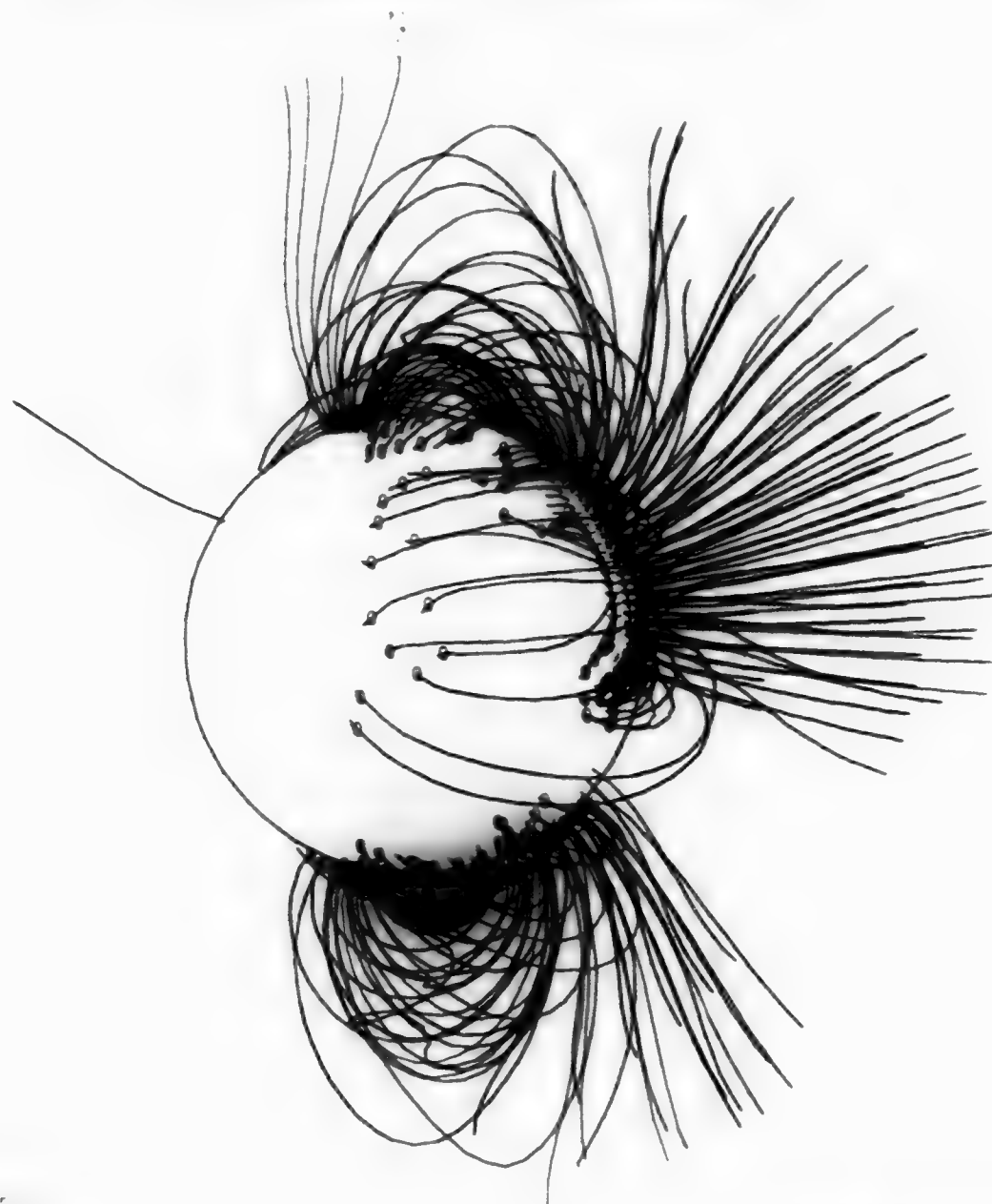
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 DATA ON THE SUN

HALE OBSERVATORY
 1900-1901
 DATA ON THE SUN

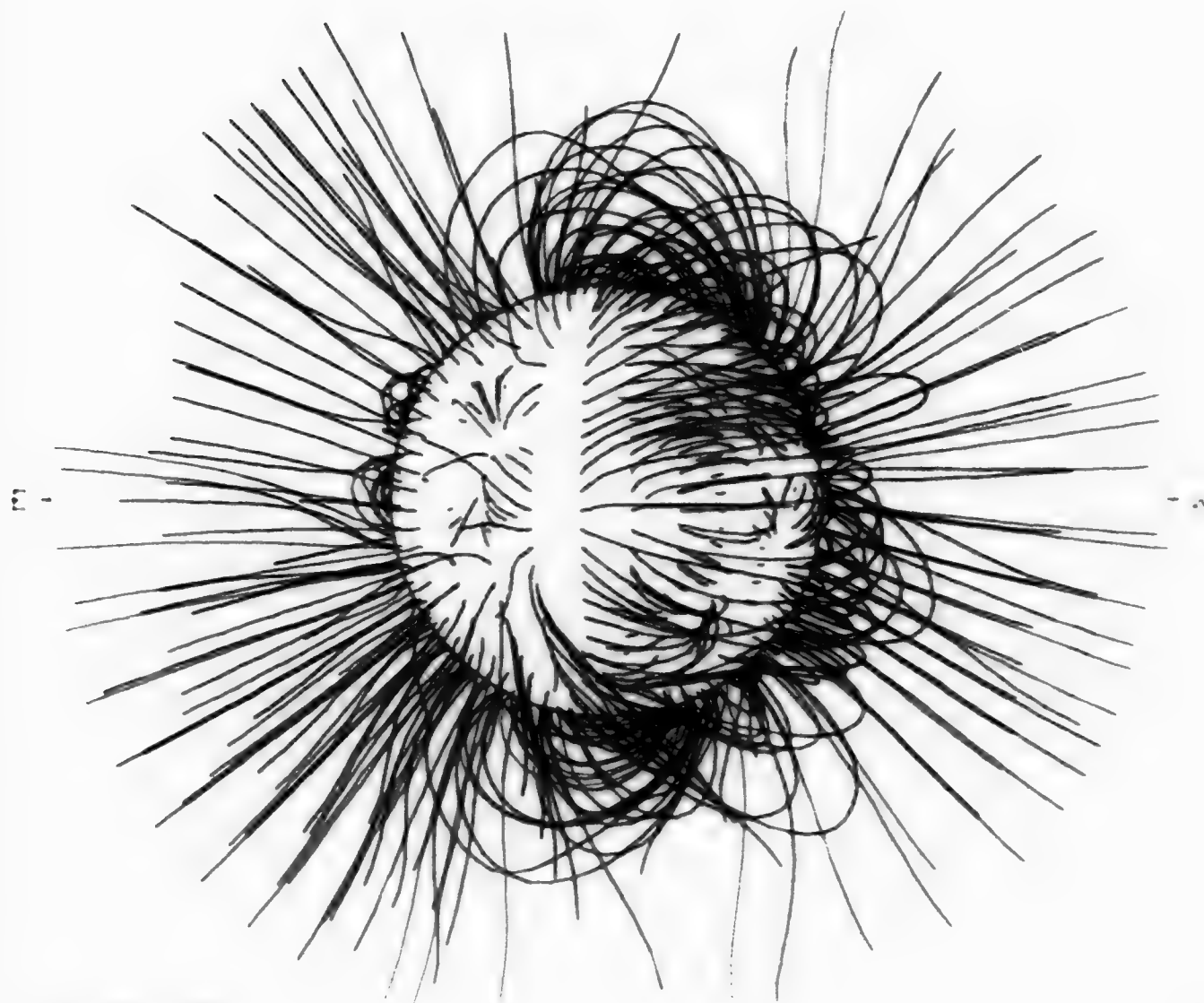
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
DATA CENTER

HALE
OBSERVATORY
DATA CENTER

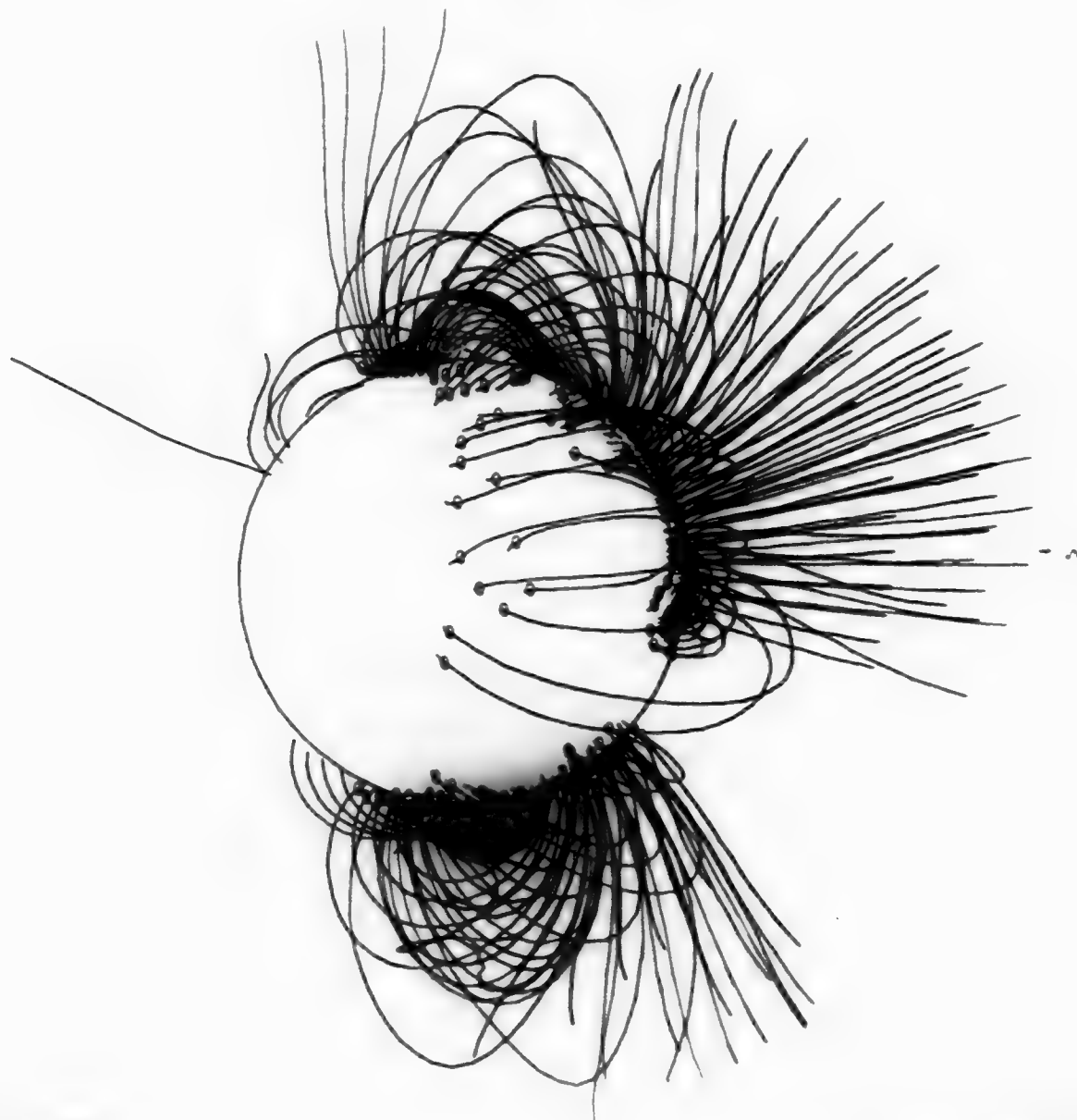
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
DATA FROM 1961

HALE OBSERVATORY
HAWAII
DATA FROM 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

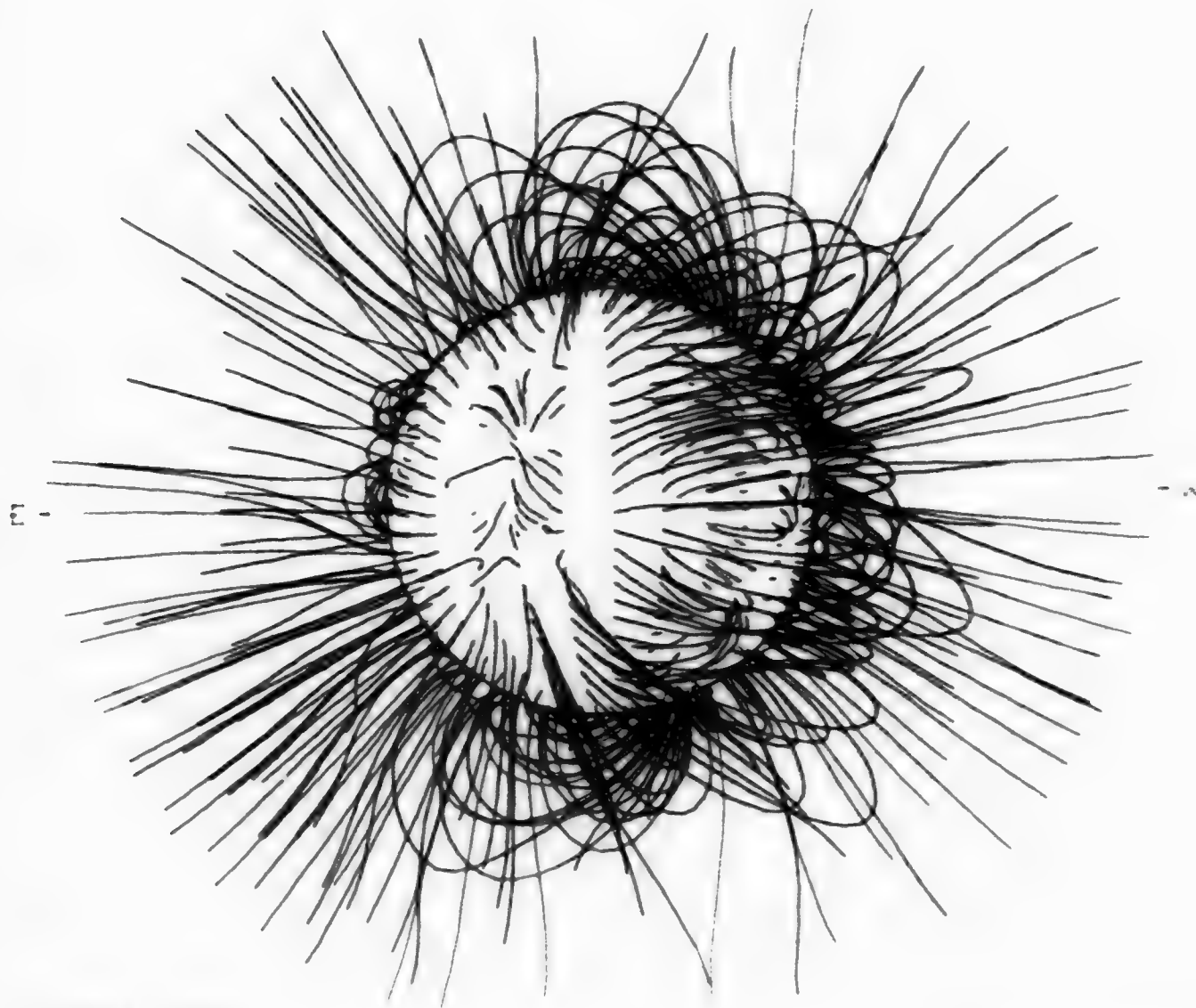


11

HALE OBSERVATORY
POLES DIRECT
DATA AND/OR RECORD

HALE OBSERVATORY
POLES DIRECT
DATA AND/OR RECORD

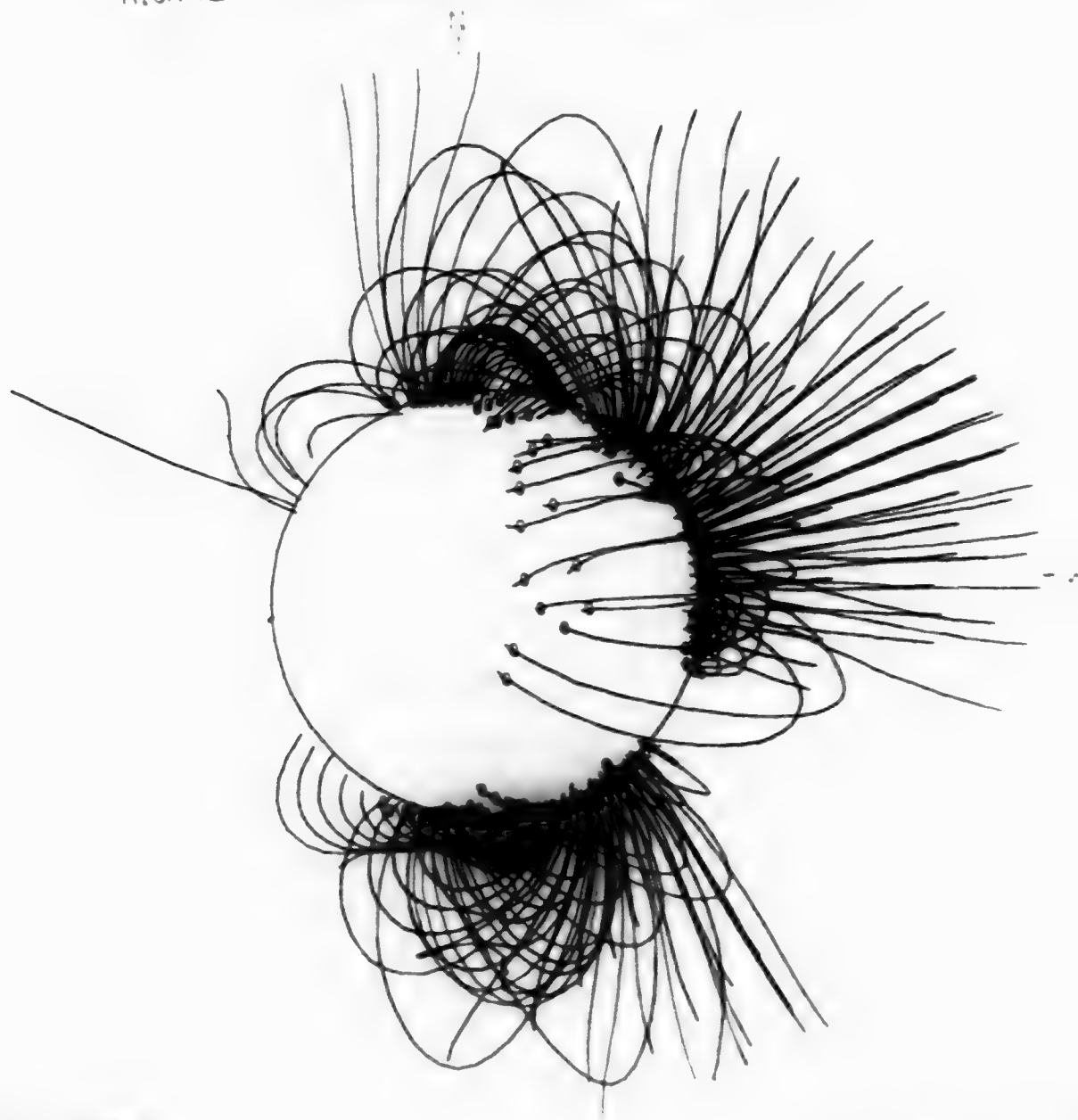
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1910
 1910-1920

HALE OBSERVATORY
 1920-1930
 1930-1940

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

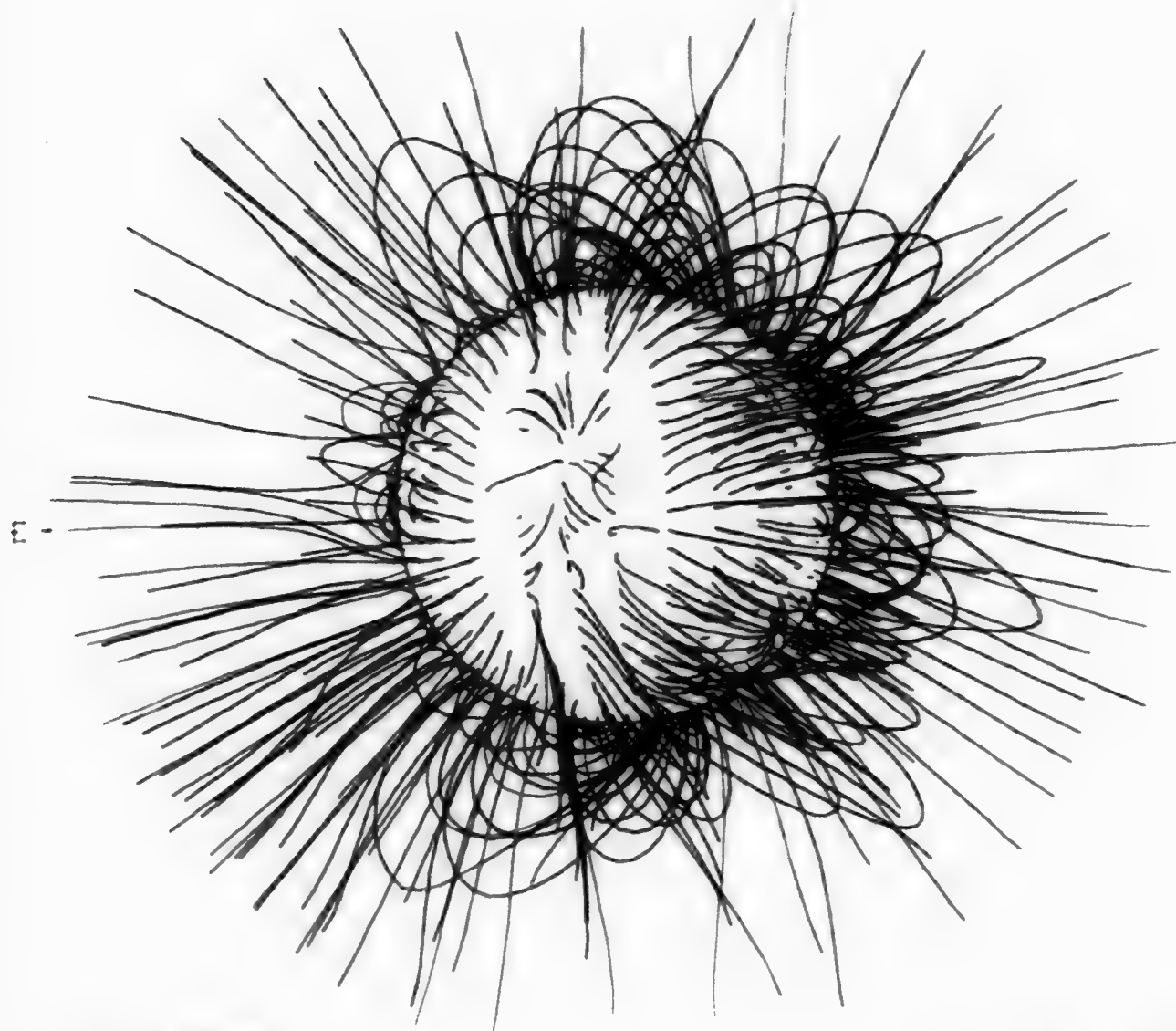


7 -

HALE OBSERVATORY
 1950-1951
 DATA FROM 1950-1951

HALE OBSERVATORY
 1950-1951
 DATA FROM 1950-1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

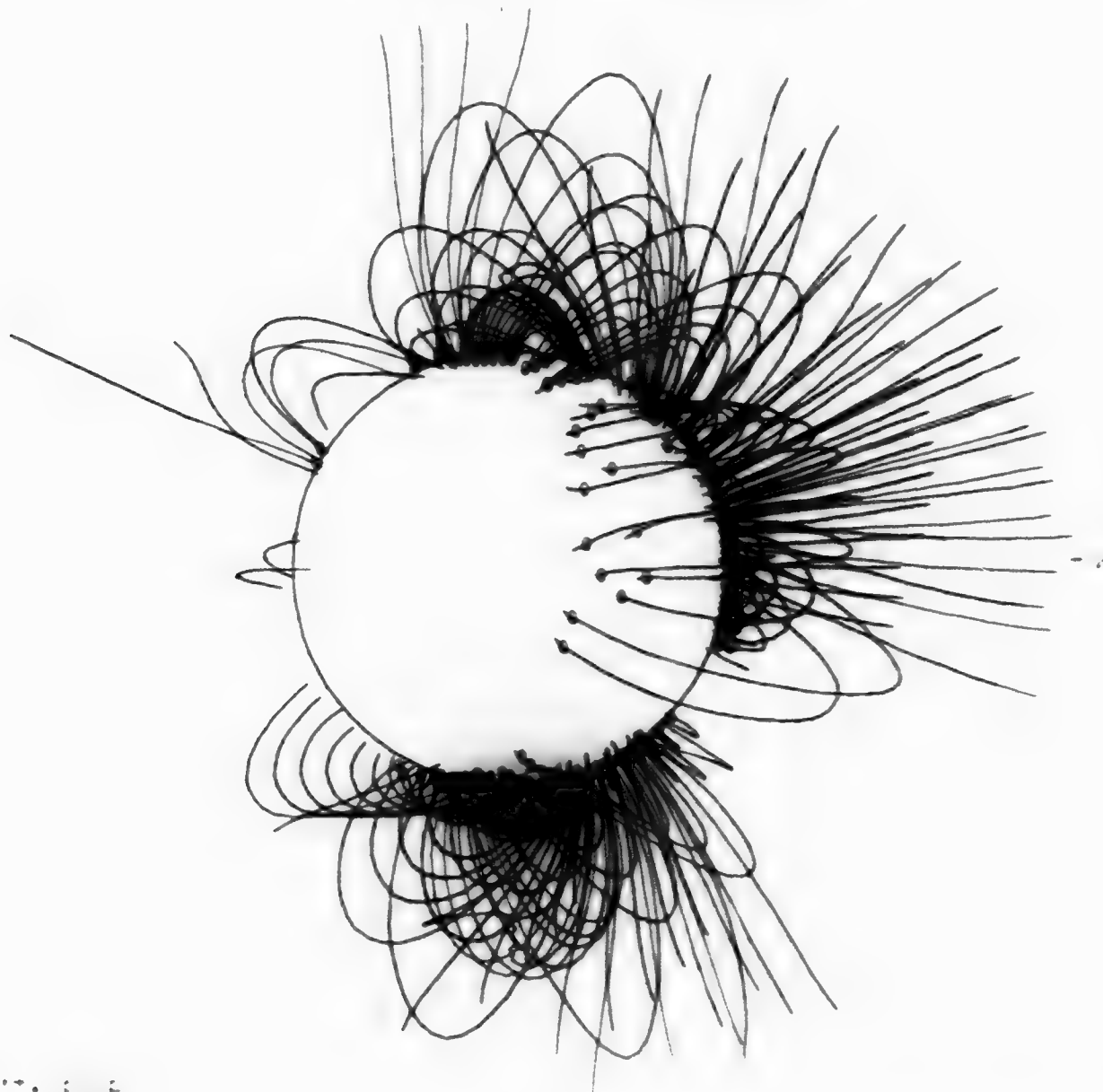


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HALE OBSERVATORY
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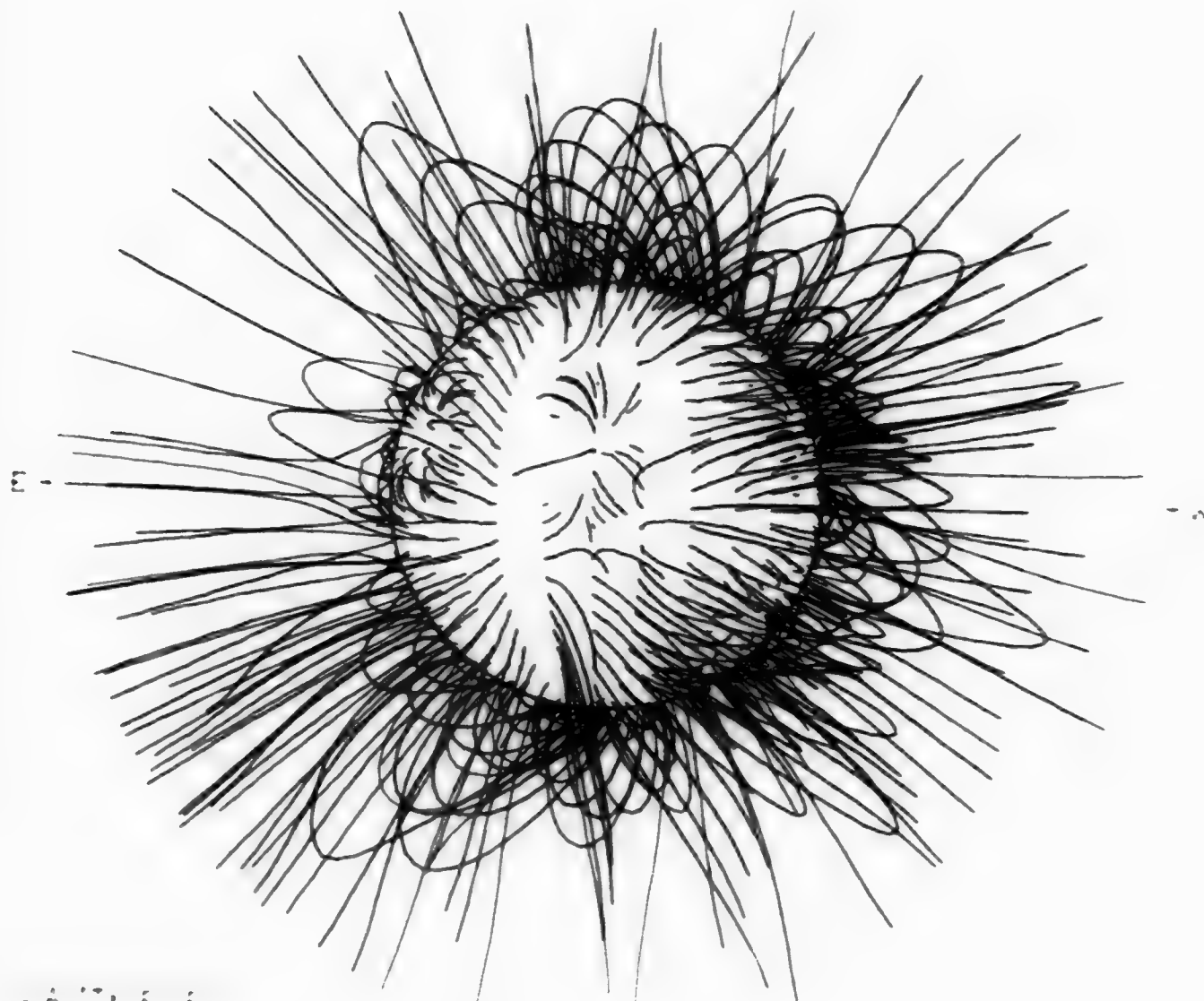
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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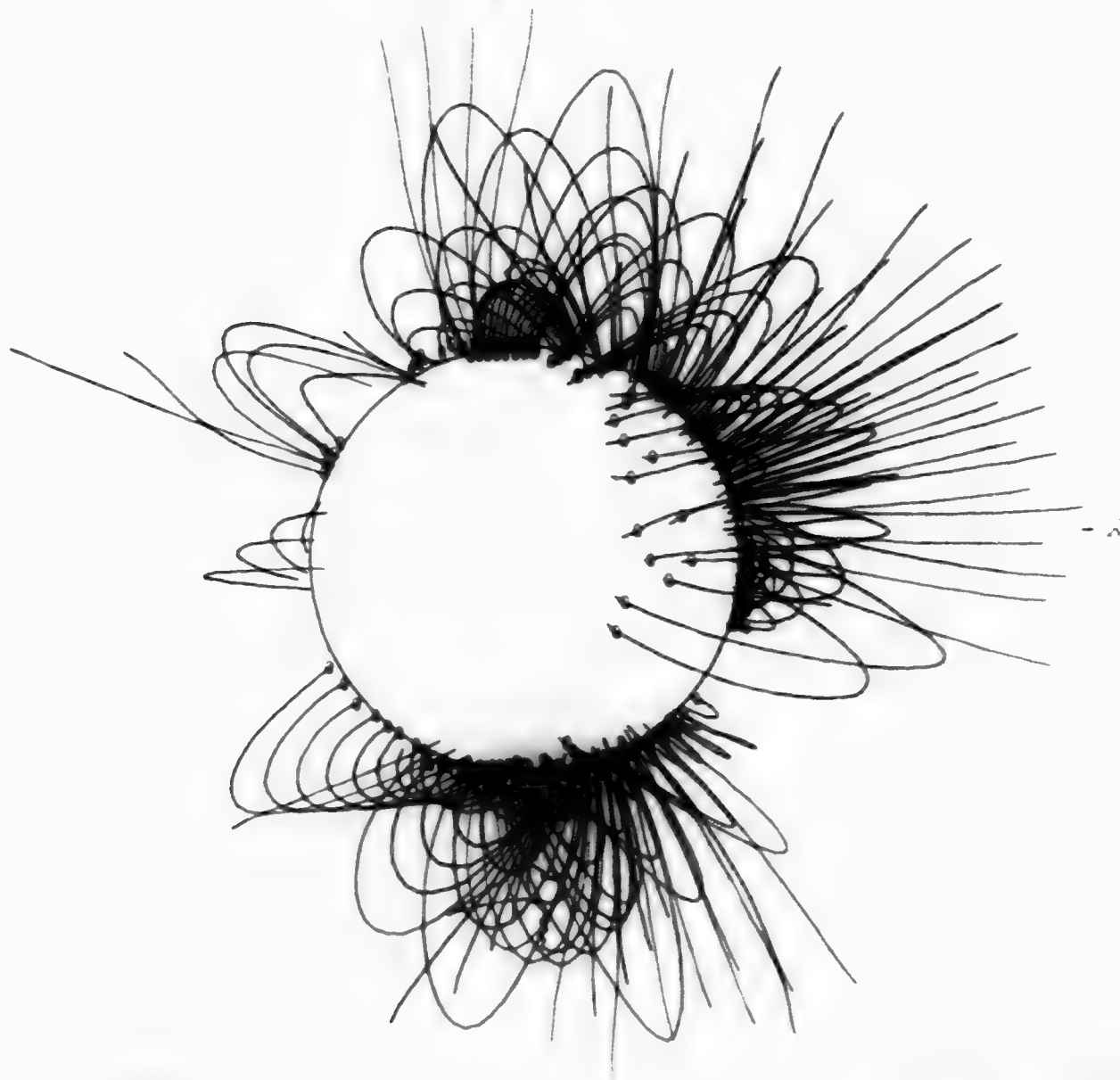
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA ANALYSIS PROGRAM

FILE: 150-1000-100
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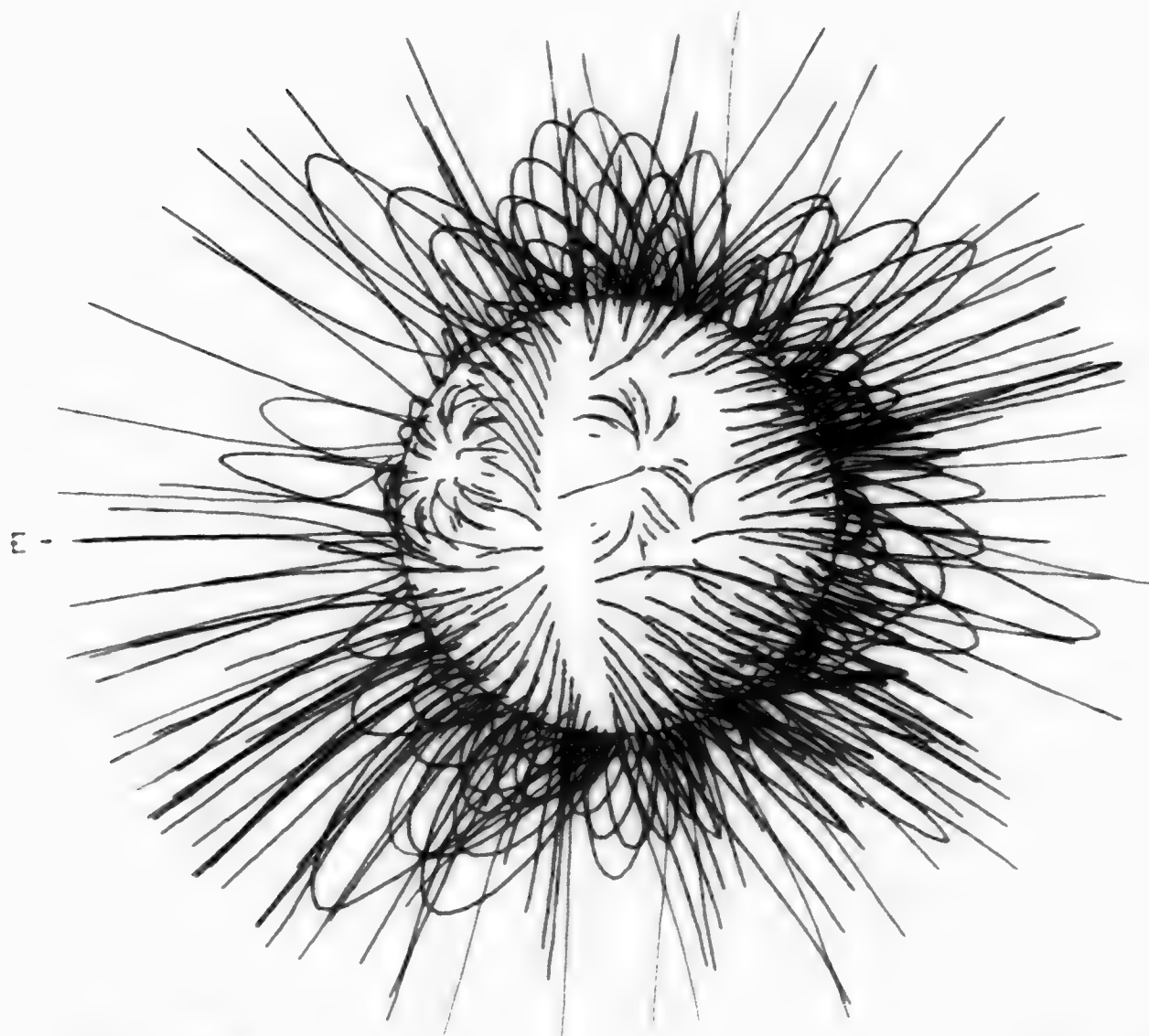
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTA PIA
SUE LIRE
LATA WILSON PIA.

ALTA PIA
SUE LIRE
LATA WILSON PIA.

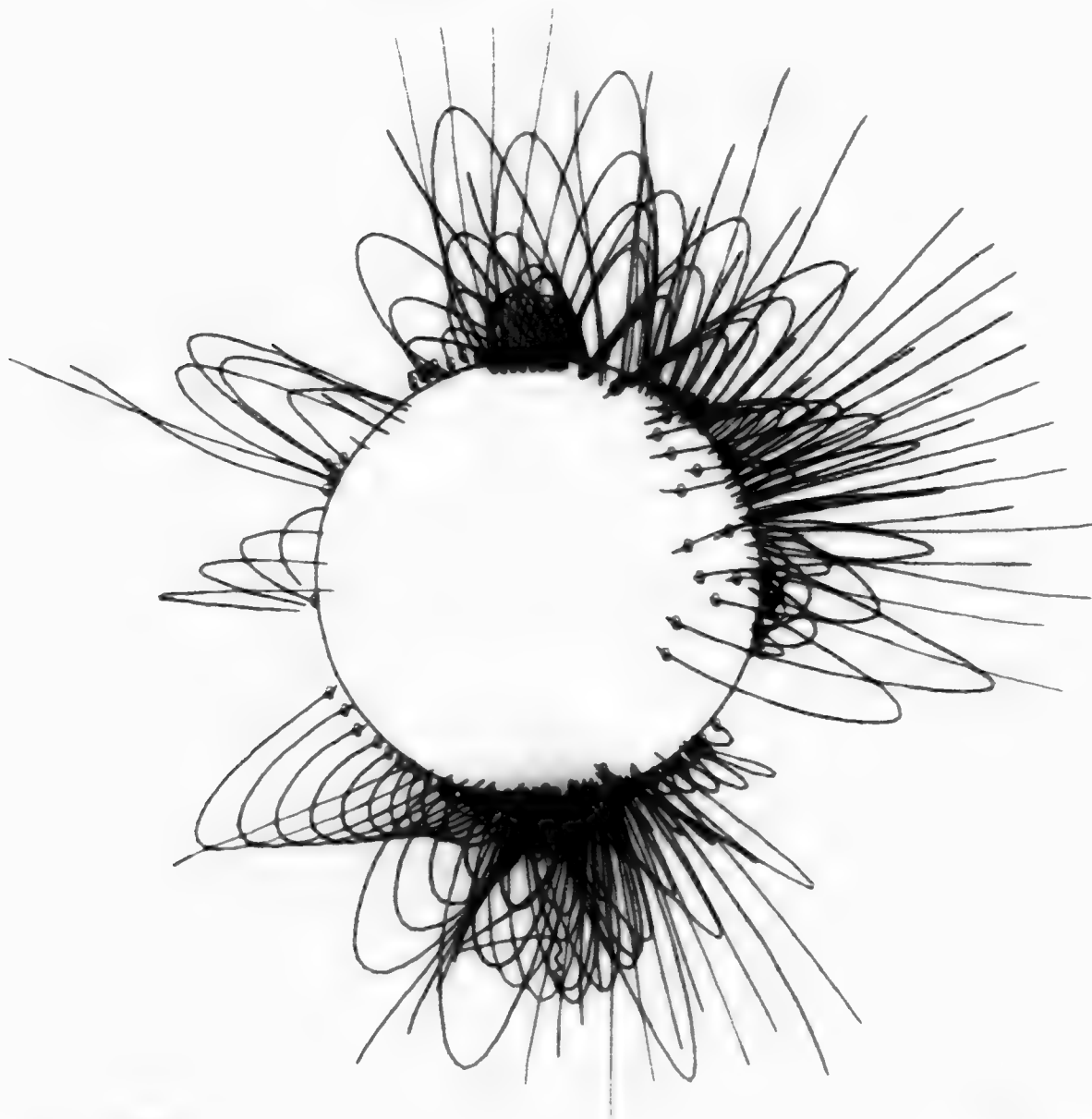
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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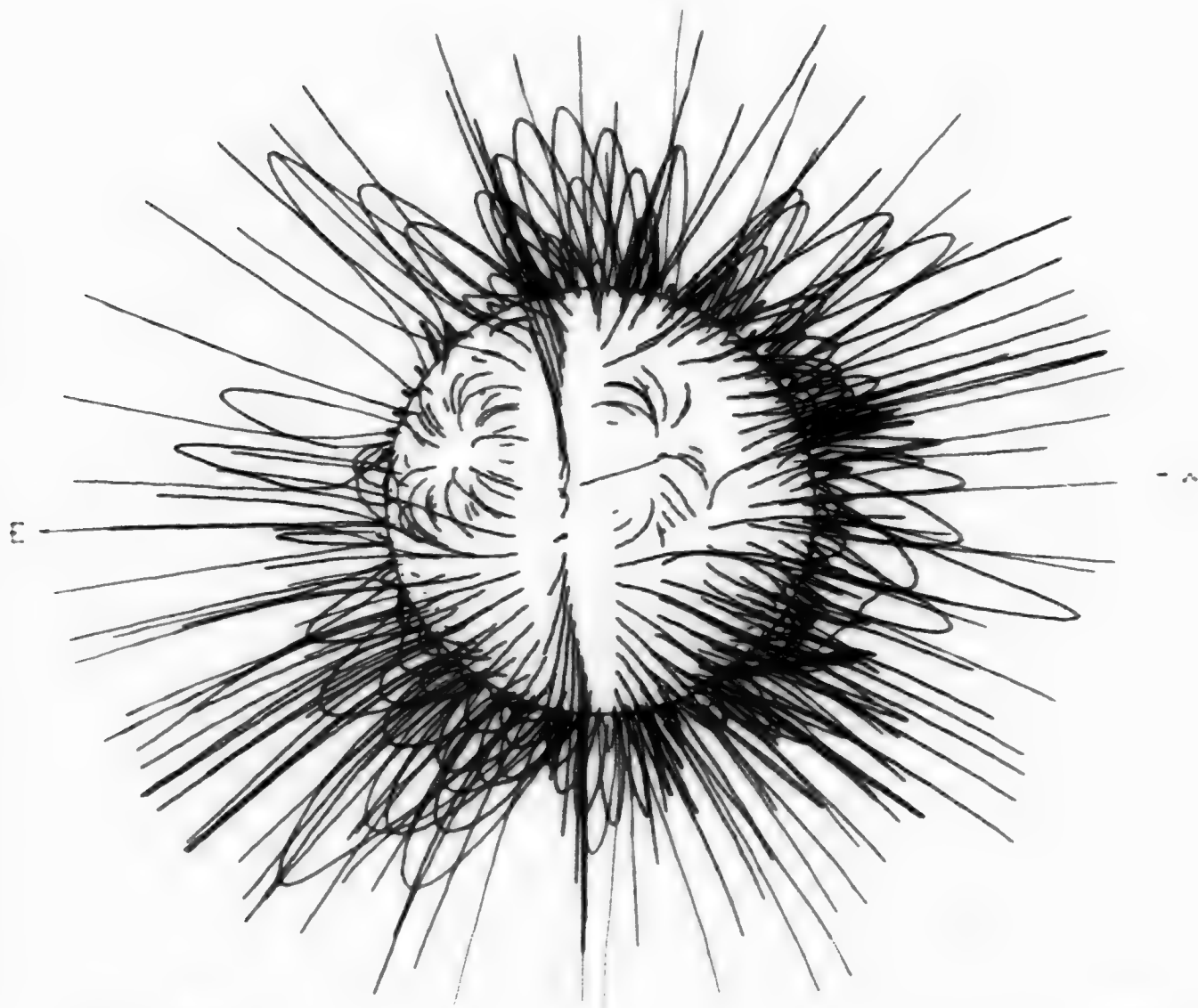
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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SOLAR OBSERVATORY
SOLAR OBSERVATORY

SOLAR OBSERVATORY
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SOLAR OBSERVATORY

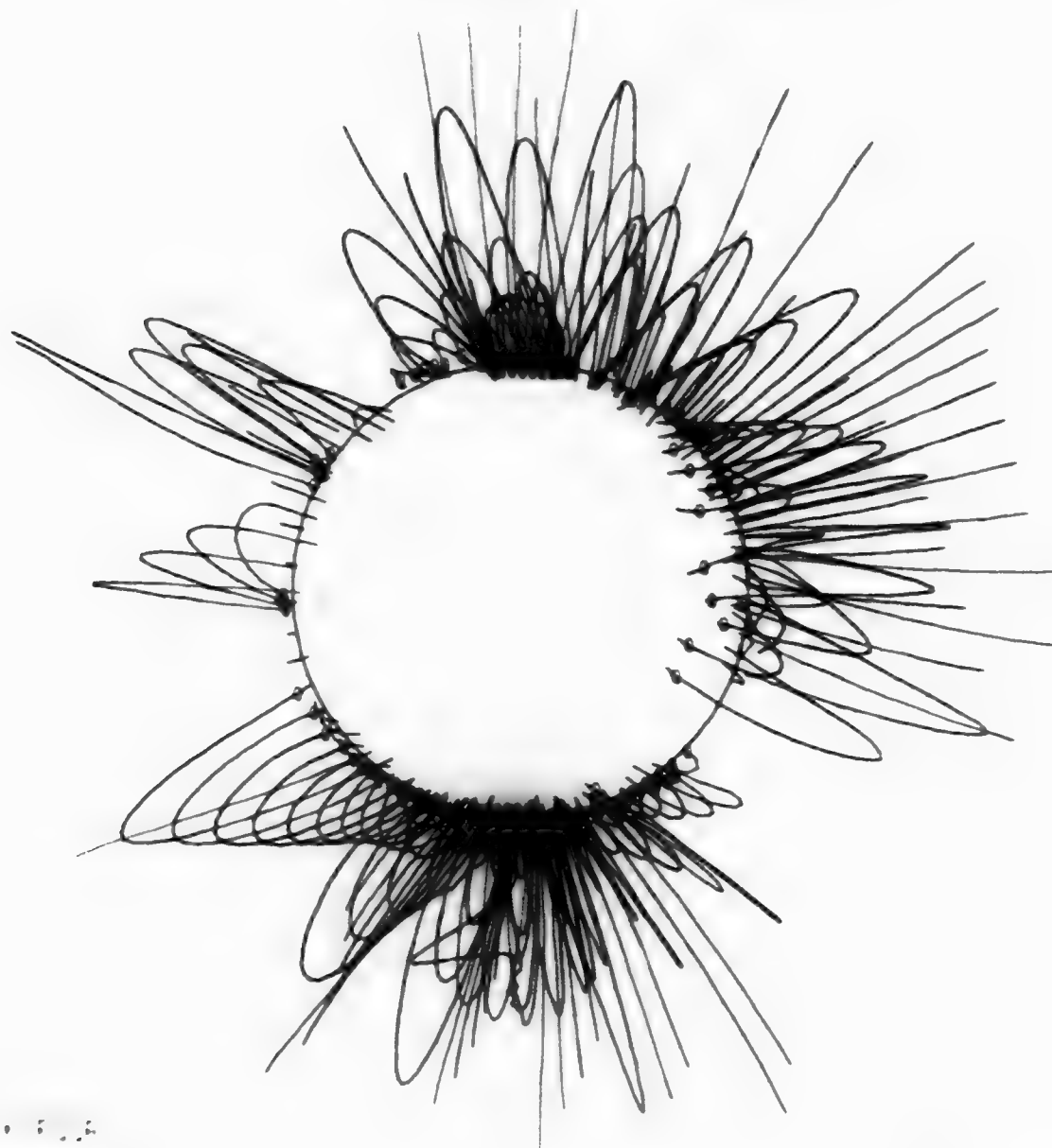
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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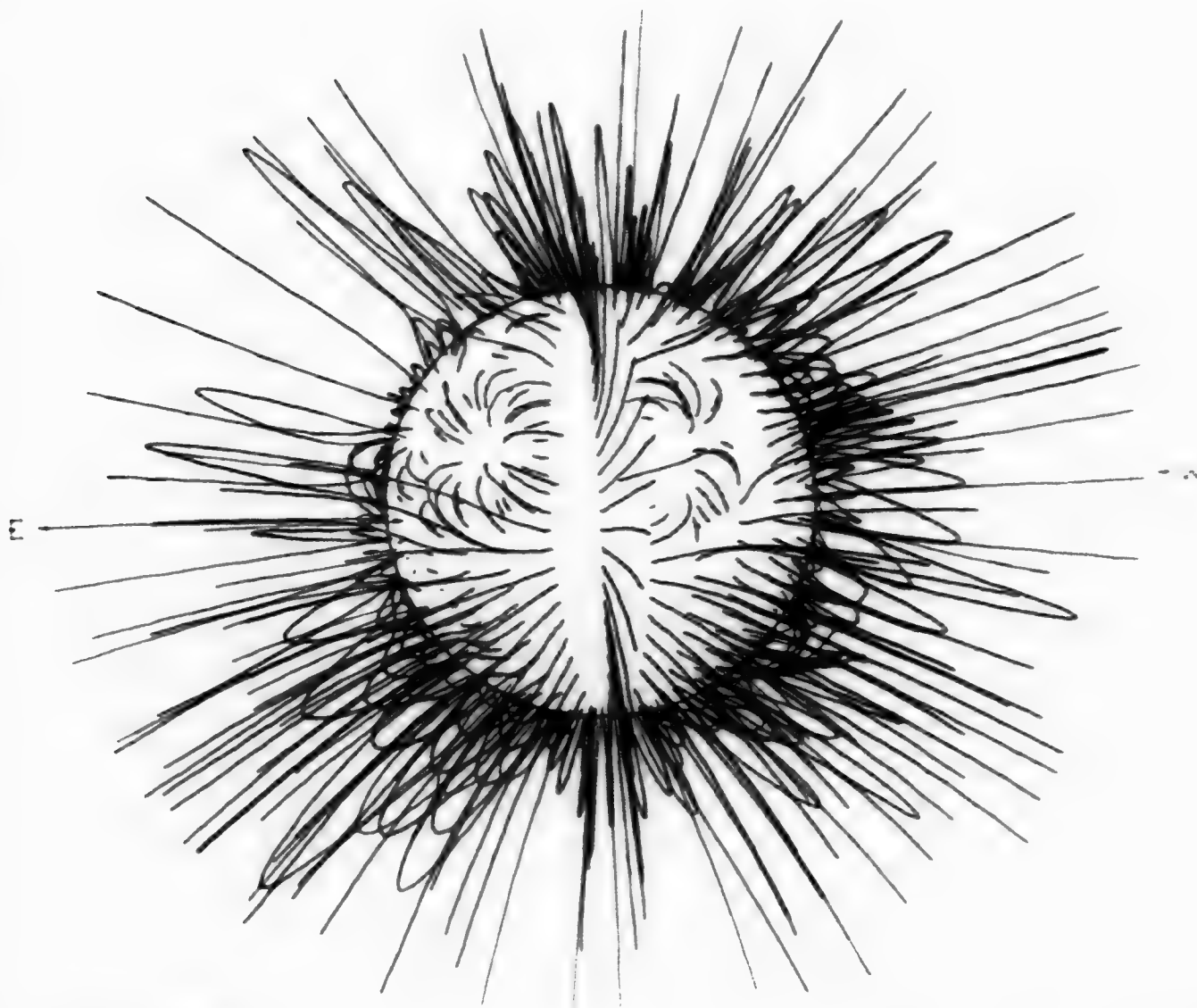
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1910
 1911-1912

HALE OBSERVATORY
 1913-1914
 1915-1916

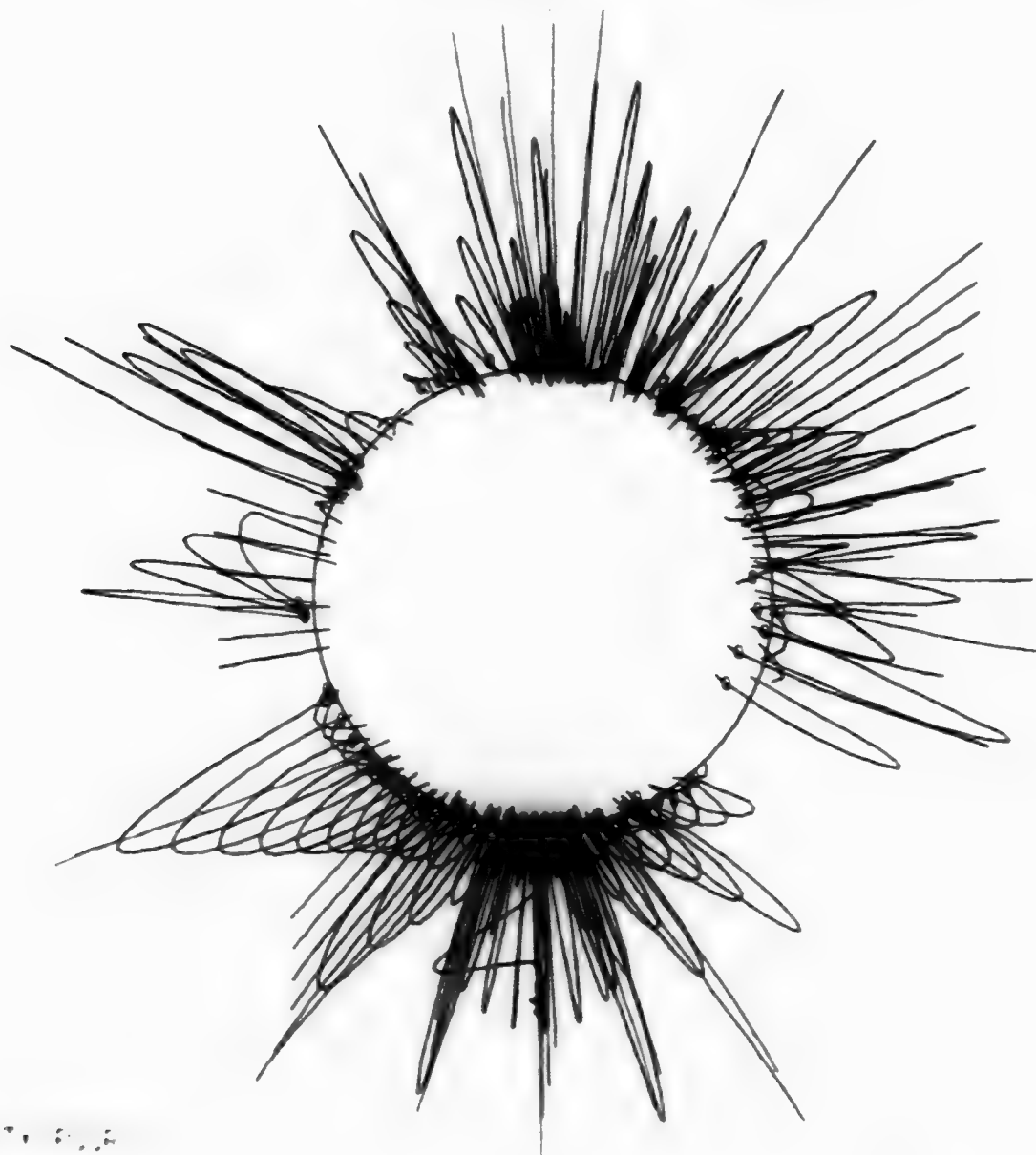
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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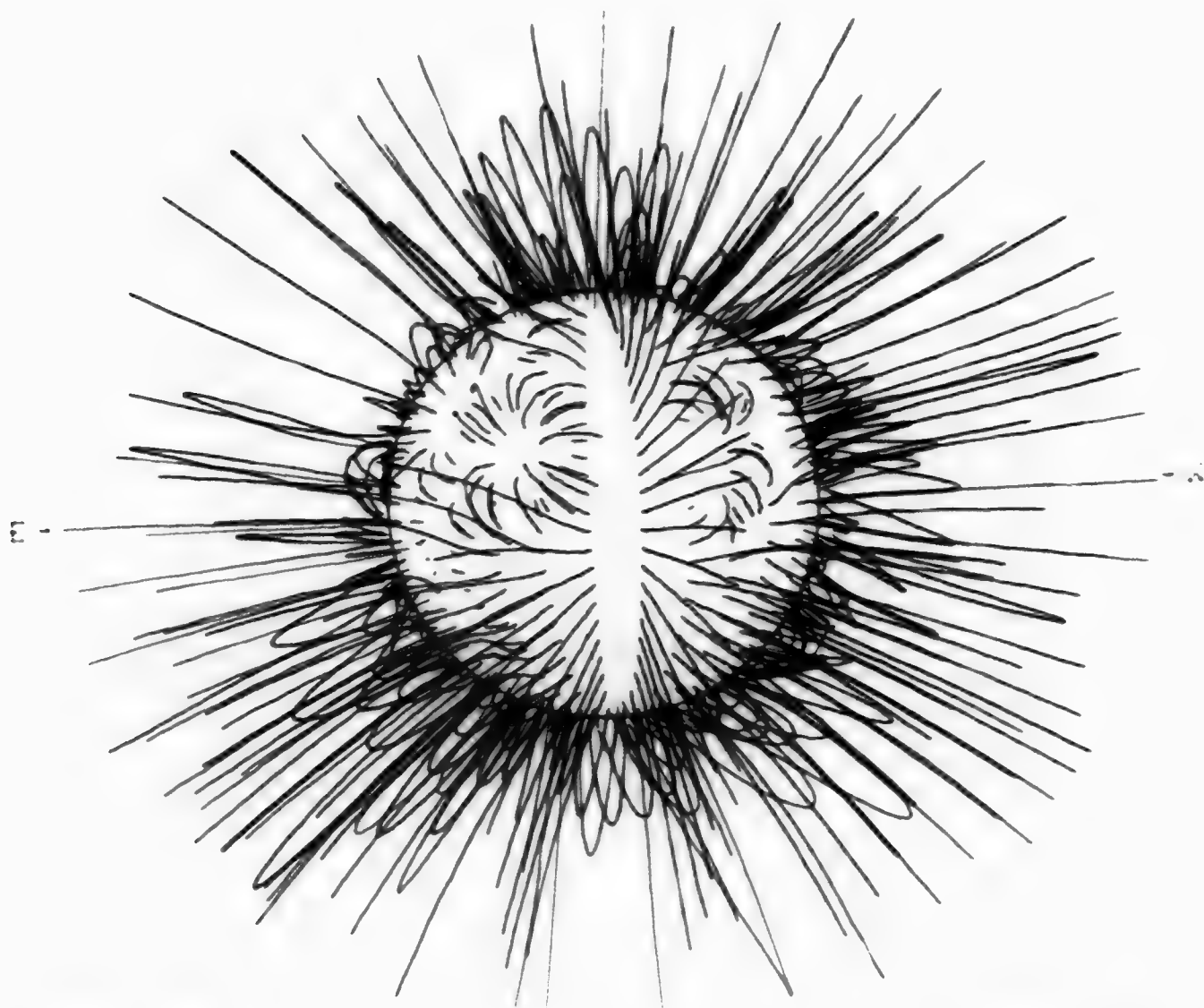
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA FROM 1960-61

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA FROM 1960-61

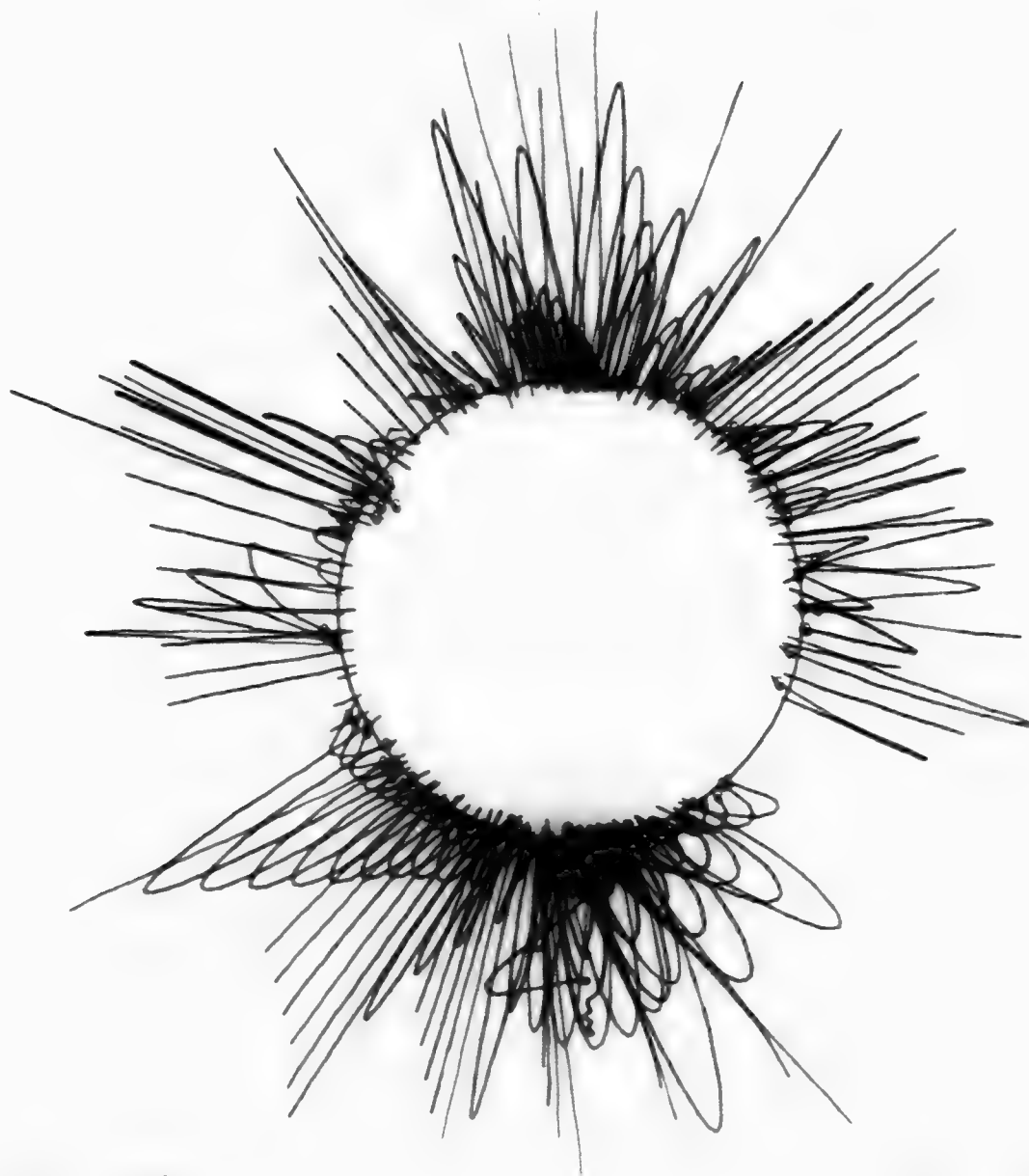
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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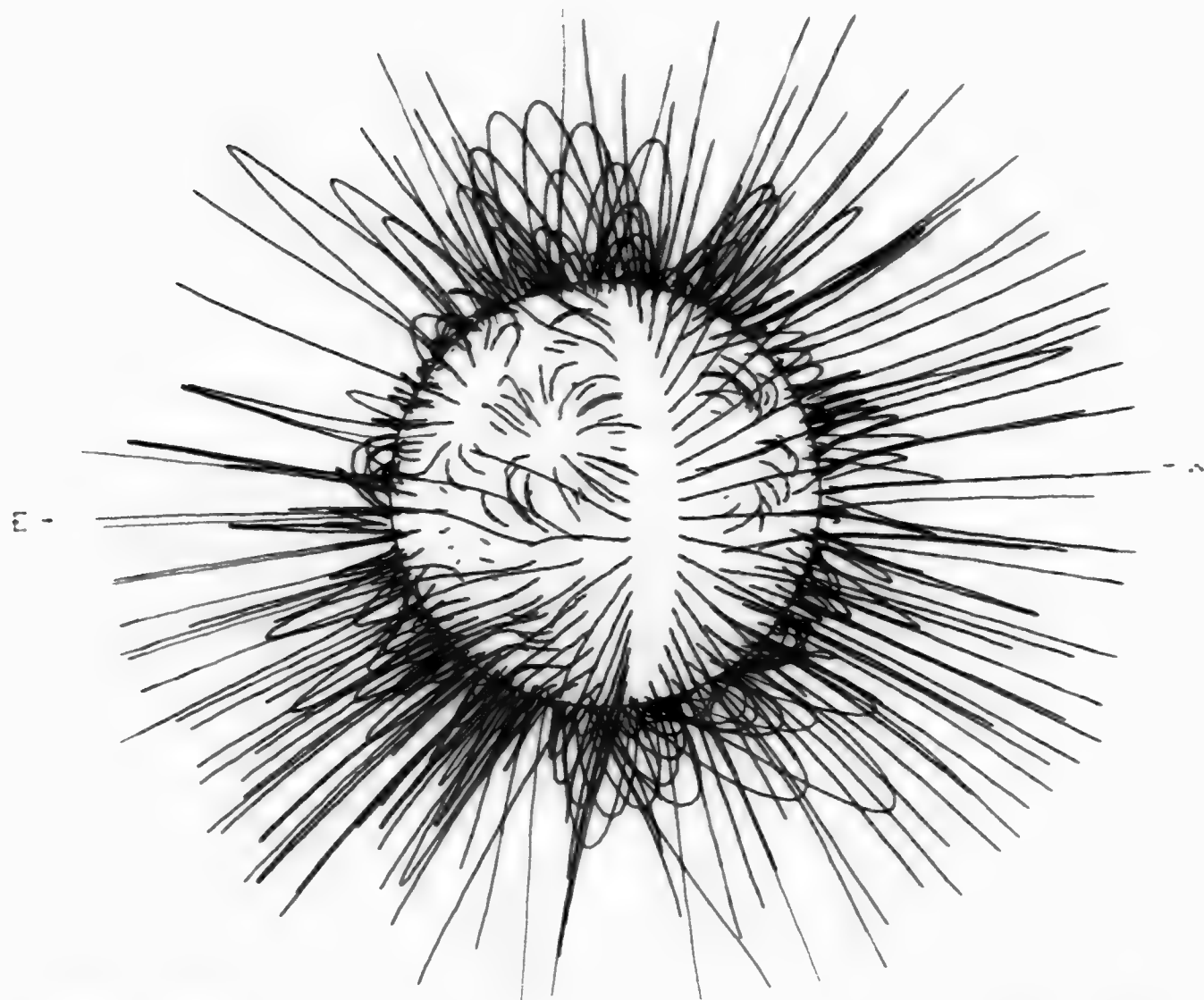
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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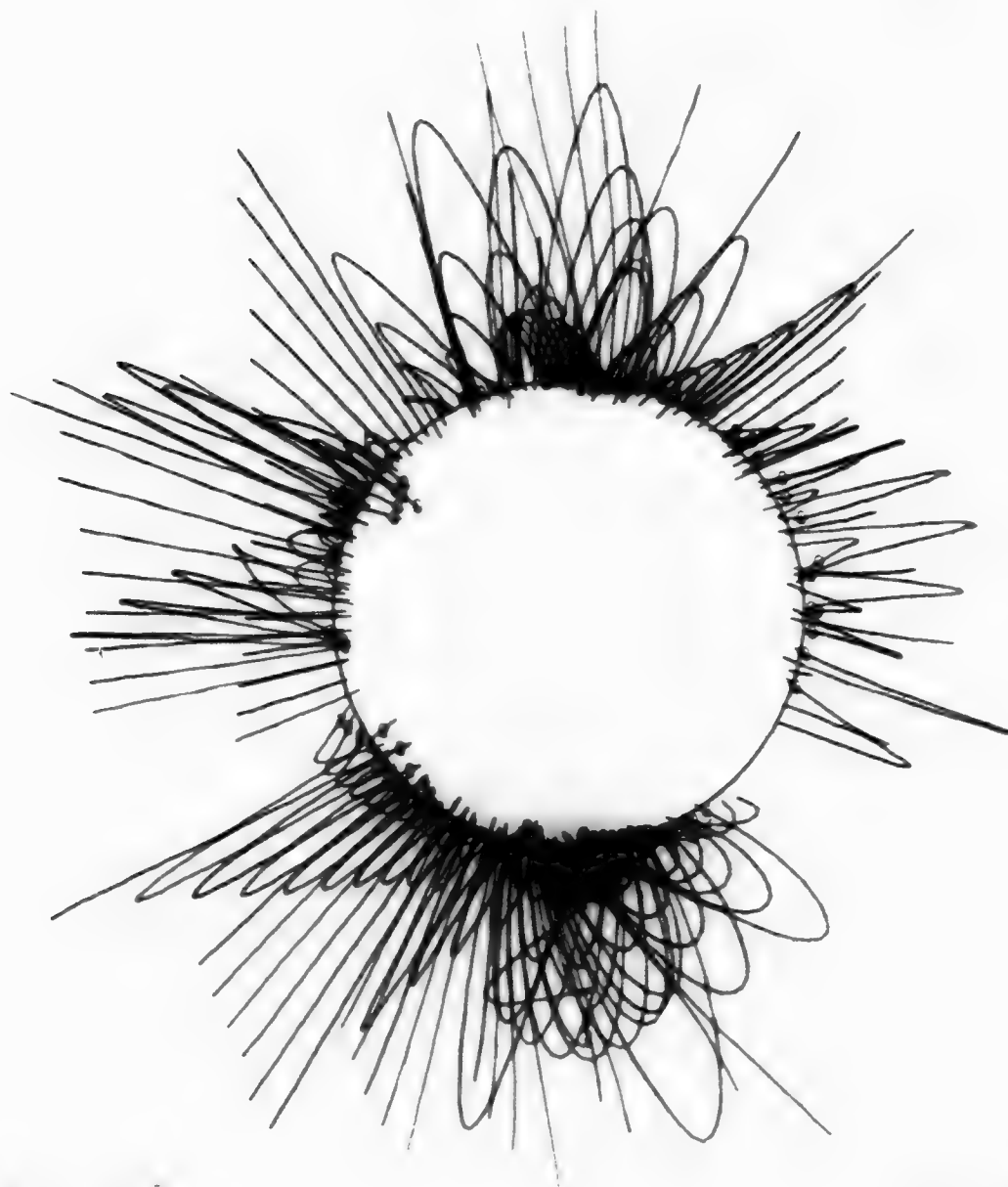
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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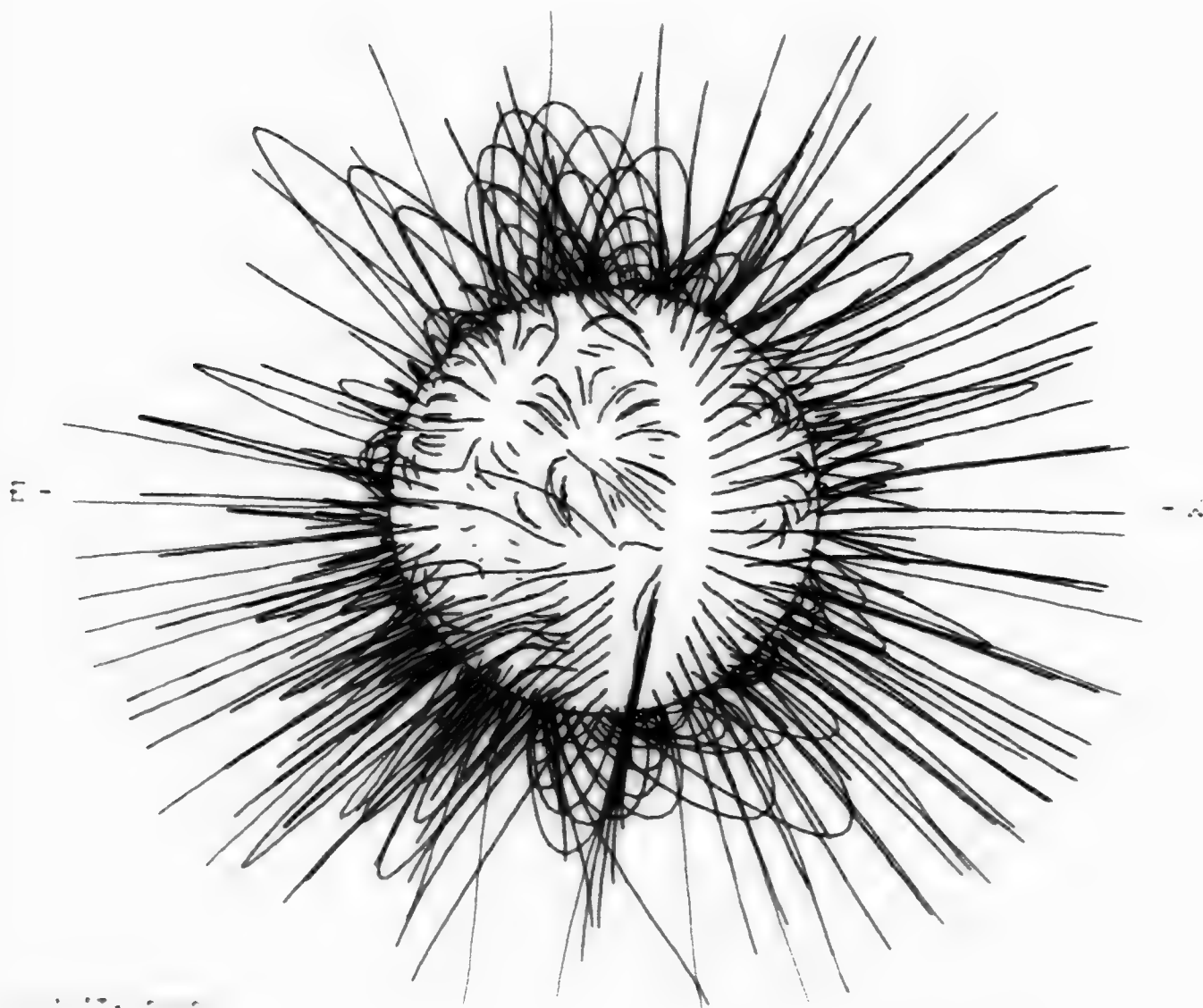
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR OBSERVATORY
SOLAR OBSERVATORY

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SOLAR OBSERVATORY
SOLAR OBSERVATORY

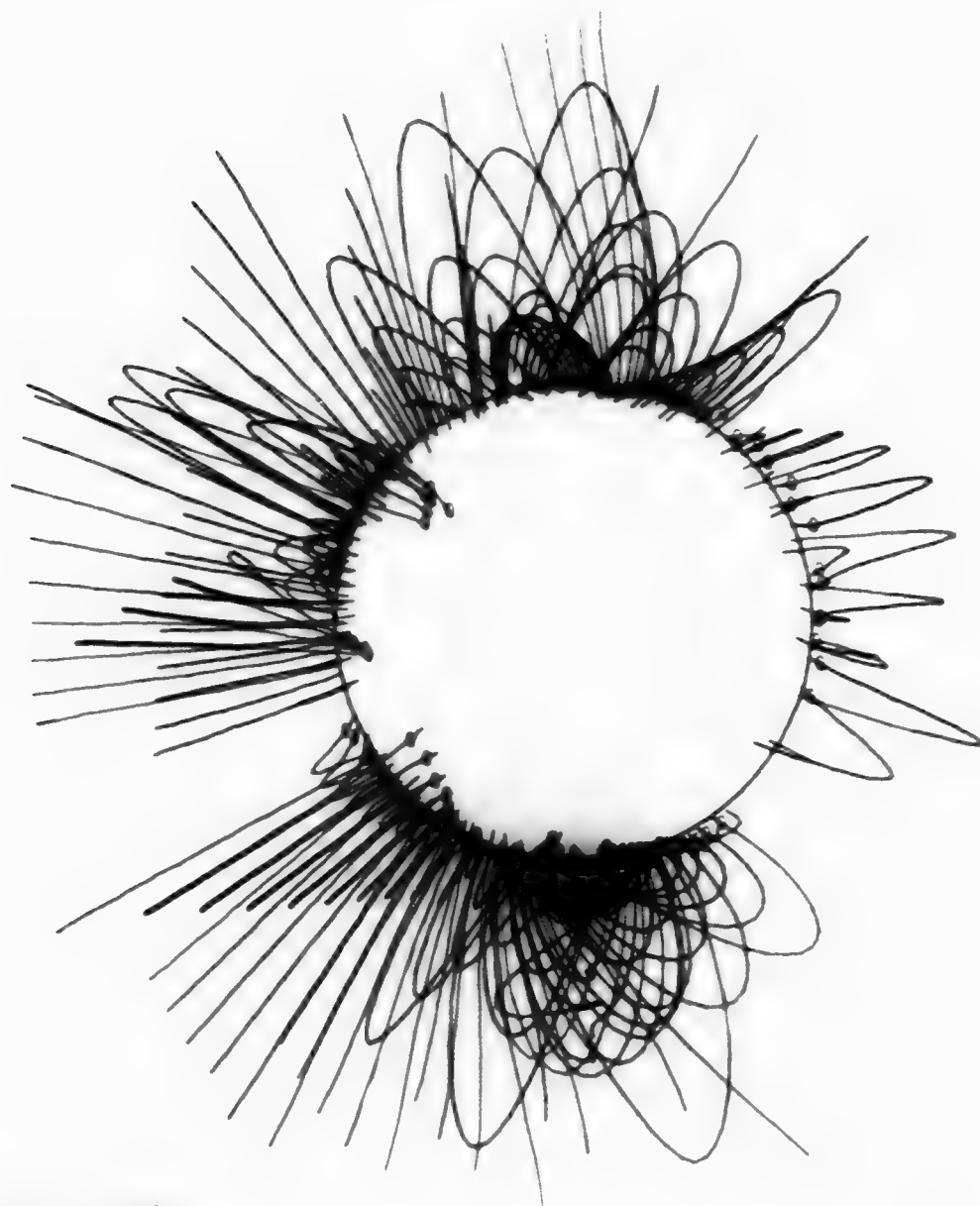
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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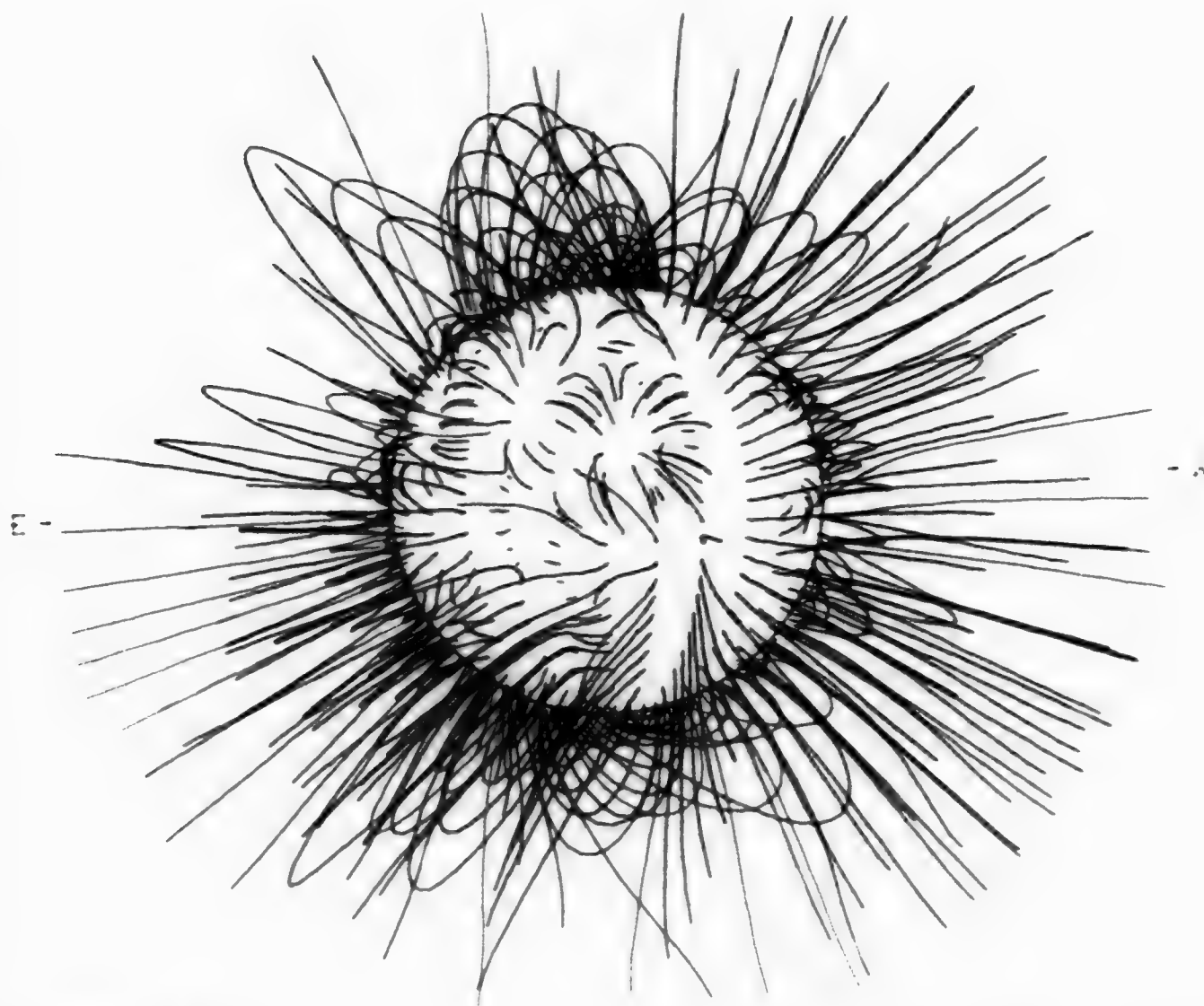
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPINE
 HALE
 DATA

HALE
 DATA

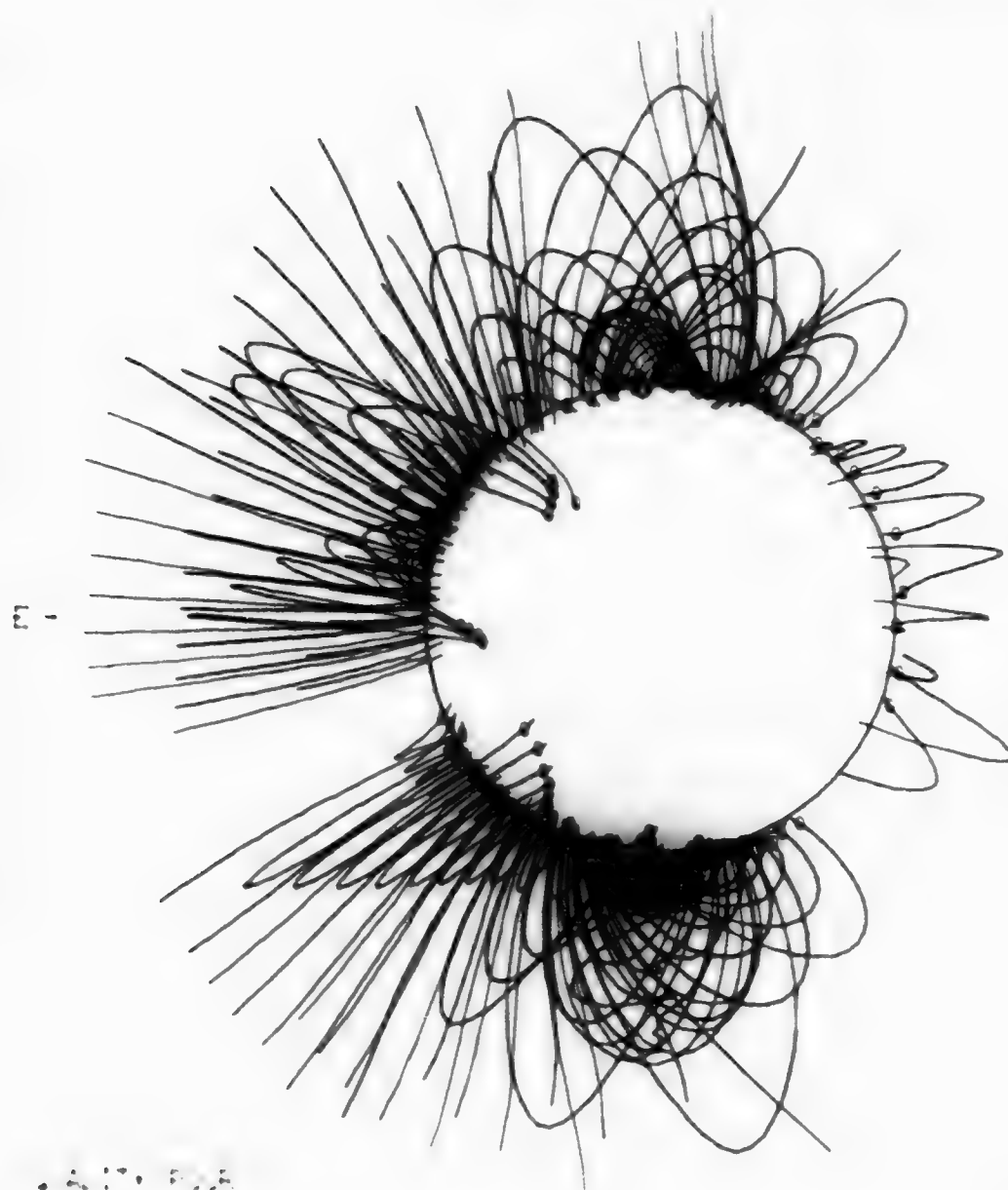
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
POLES OBSERVATORY
DATE AND TIME OBSERVATION

HALE OBSERVATORY
POLES OBSERVATORY
DATE AND TIME OBSERVATION

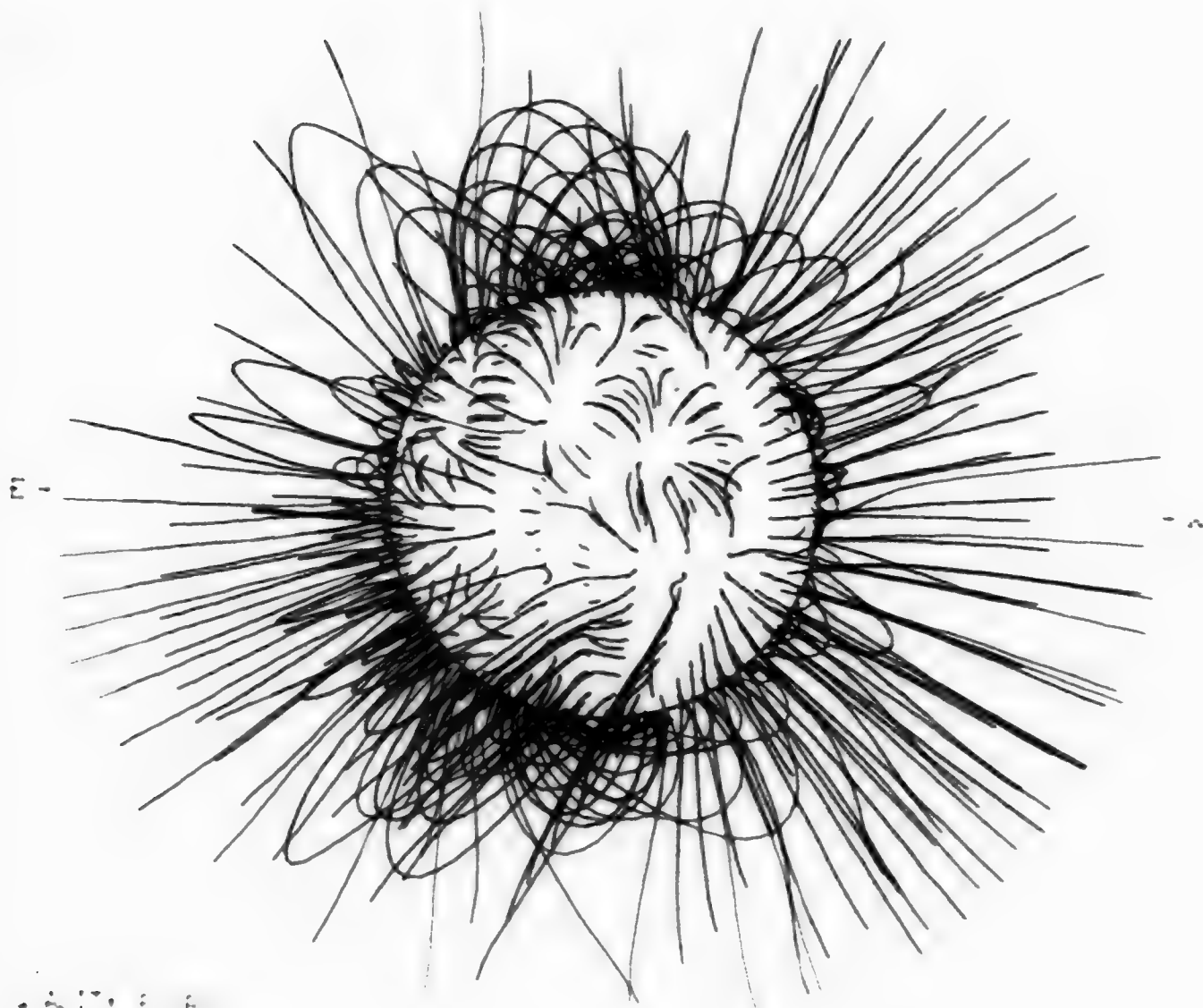
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALES DIRECT
 DATA W/IN 150H.00

HALE OBSERVATORY
 HALES DIRECT
 DATA W/IN 150H.00

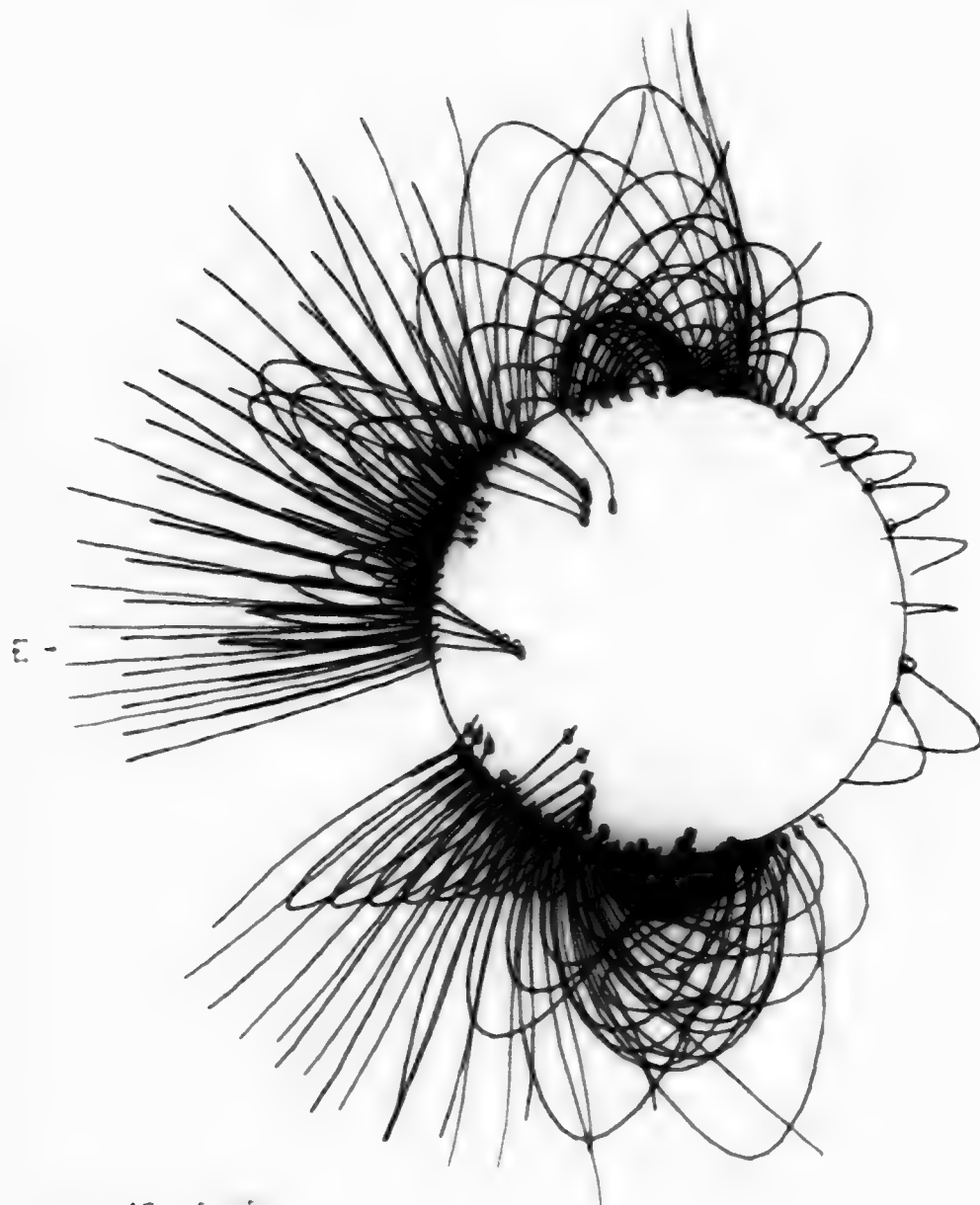
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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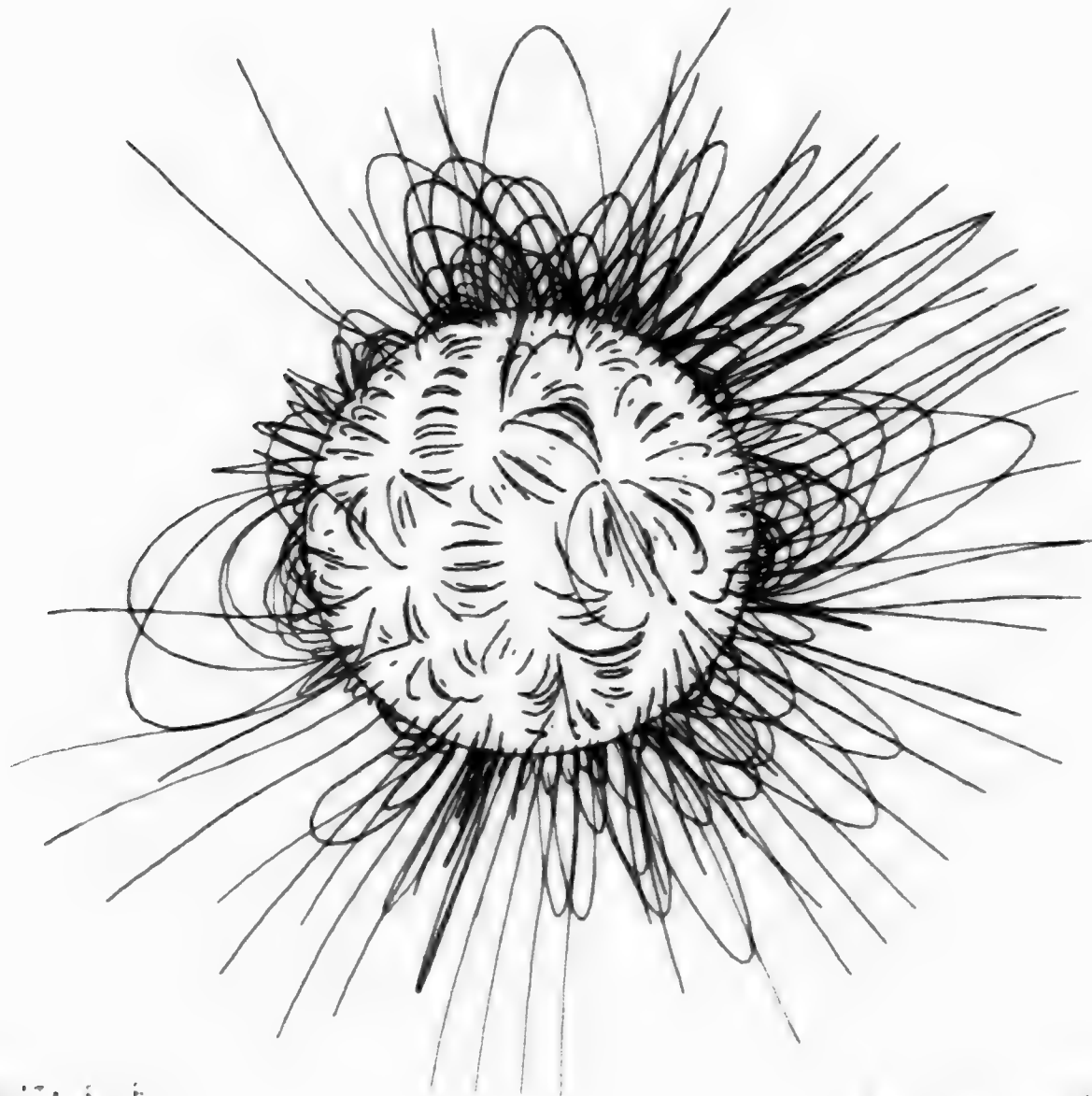
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

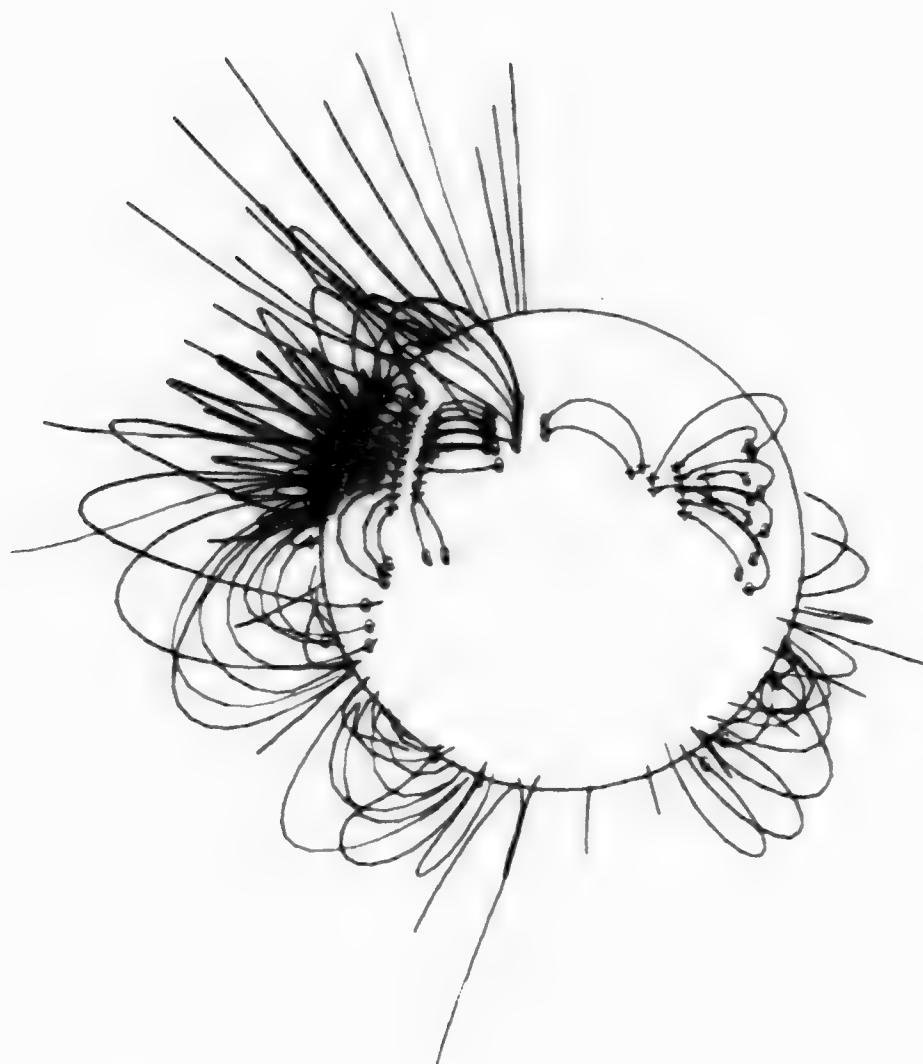
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

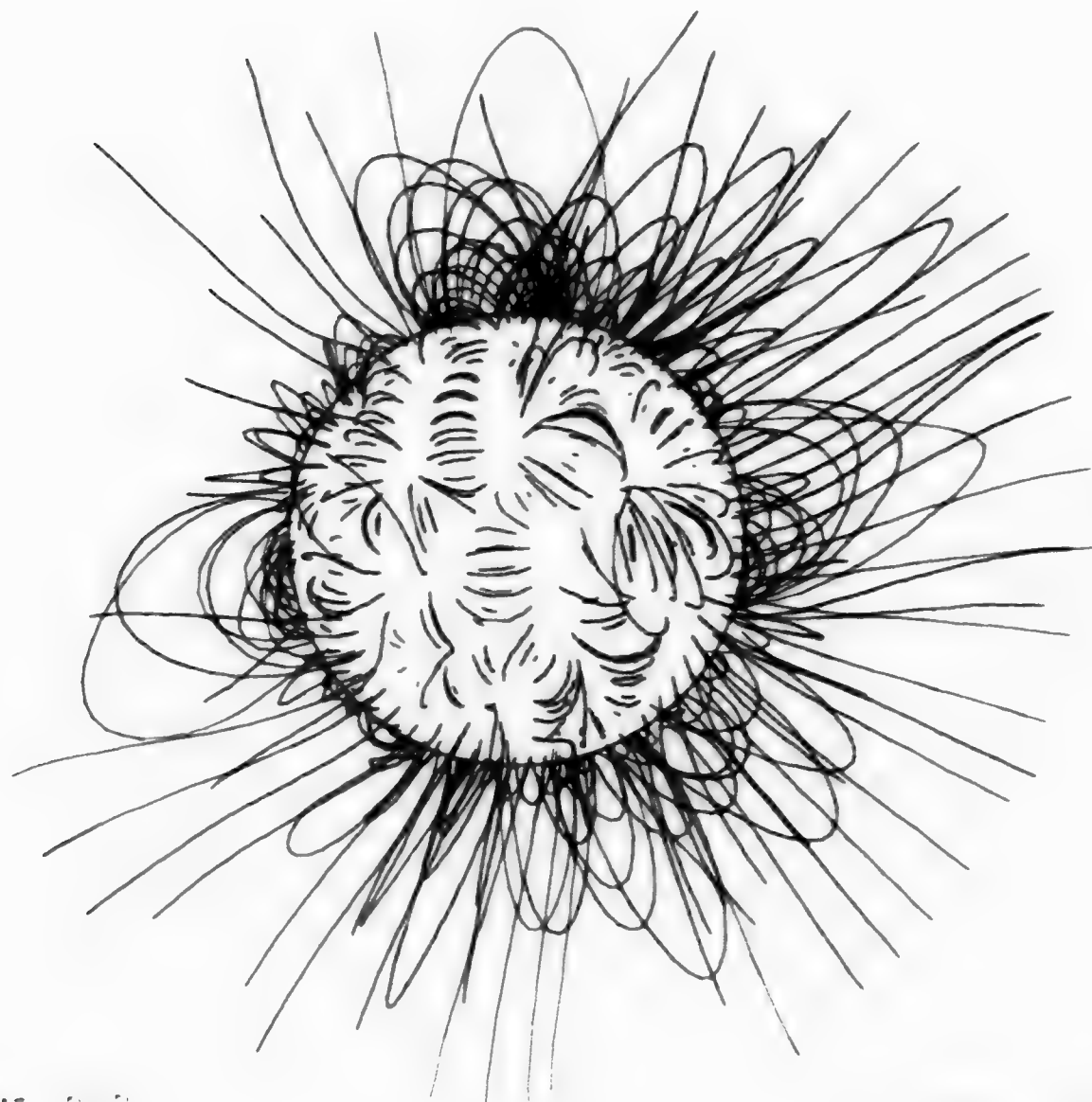
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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 HAILE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

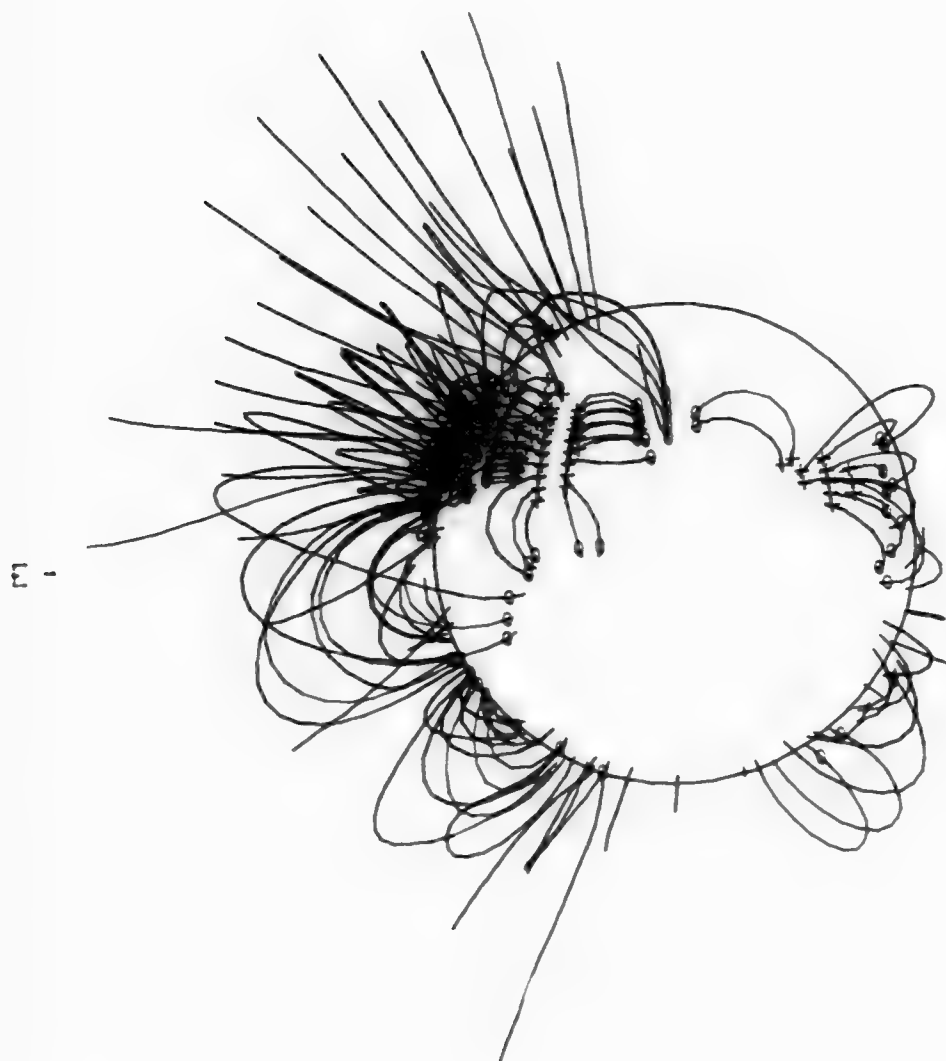


ALP. P.P.P.
 PILES DIRECT
 DATA AND SW 1528.47

ALP. P.P.P. 1528.47
 ALP. P.P.P. 1528.47

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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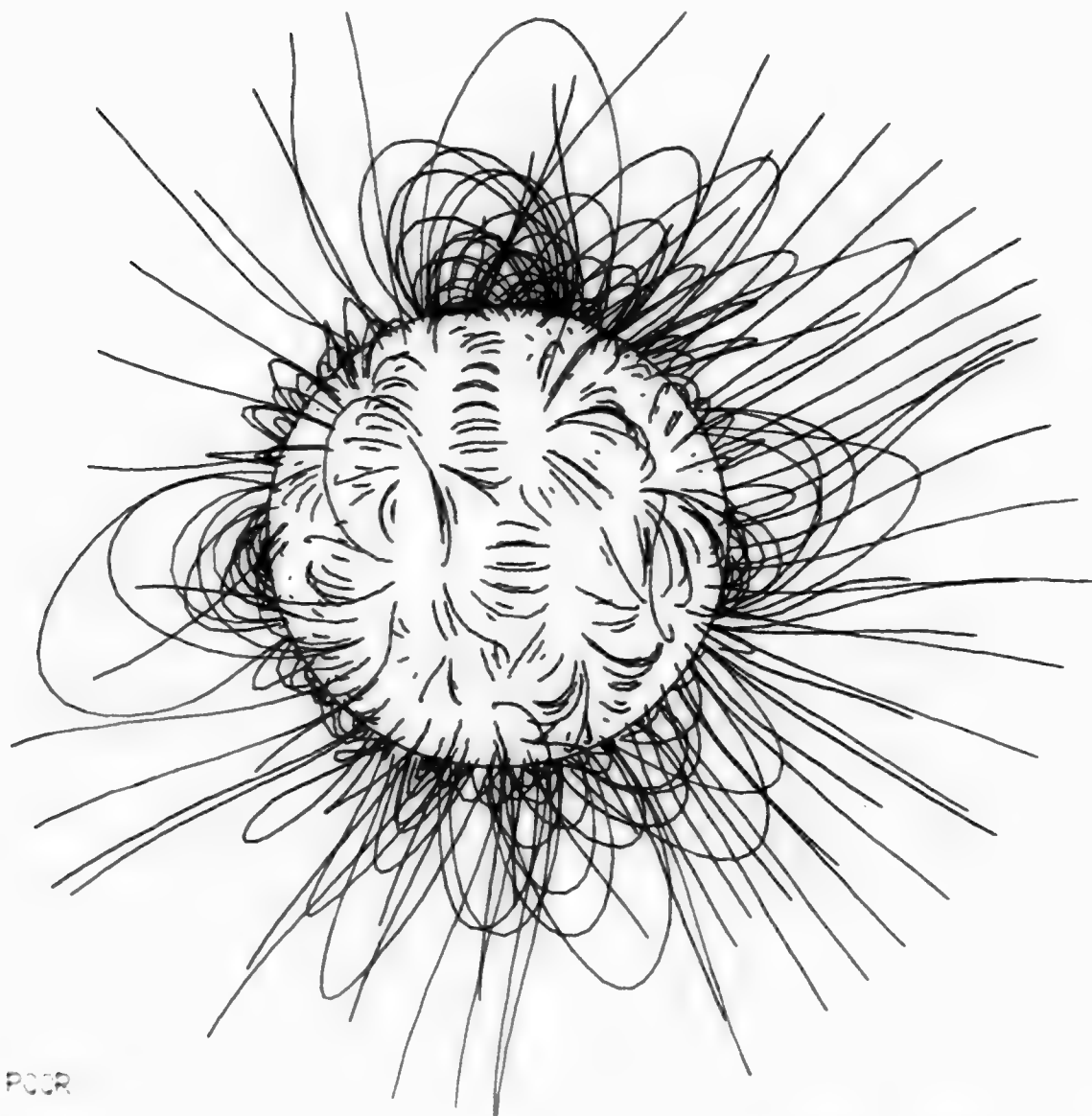


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DIRECT
DATA WITH IN 1958.5

FOR THE 1958.5
1958.5

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY POOR

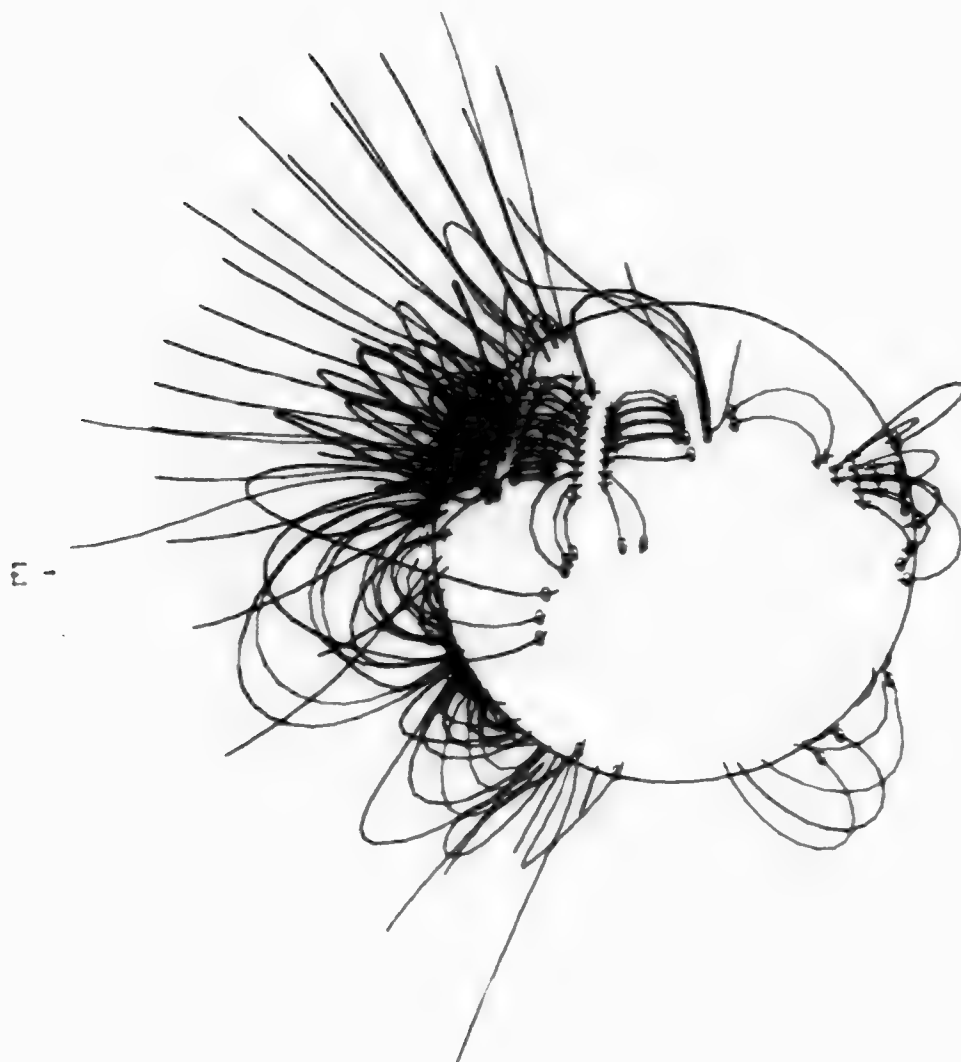
POLES DIRECT

DATA WINDOW 1508.47

FILE 1508 1508.47

1508.47 1508.47

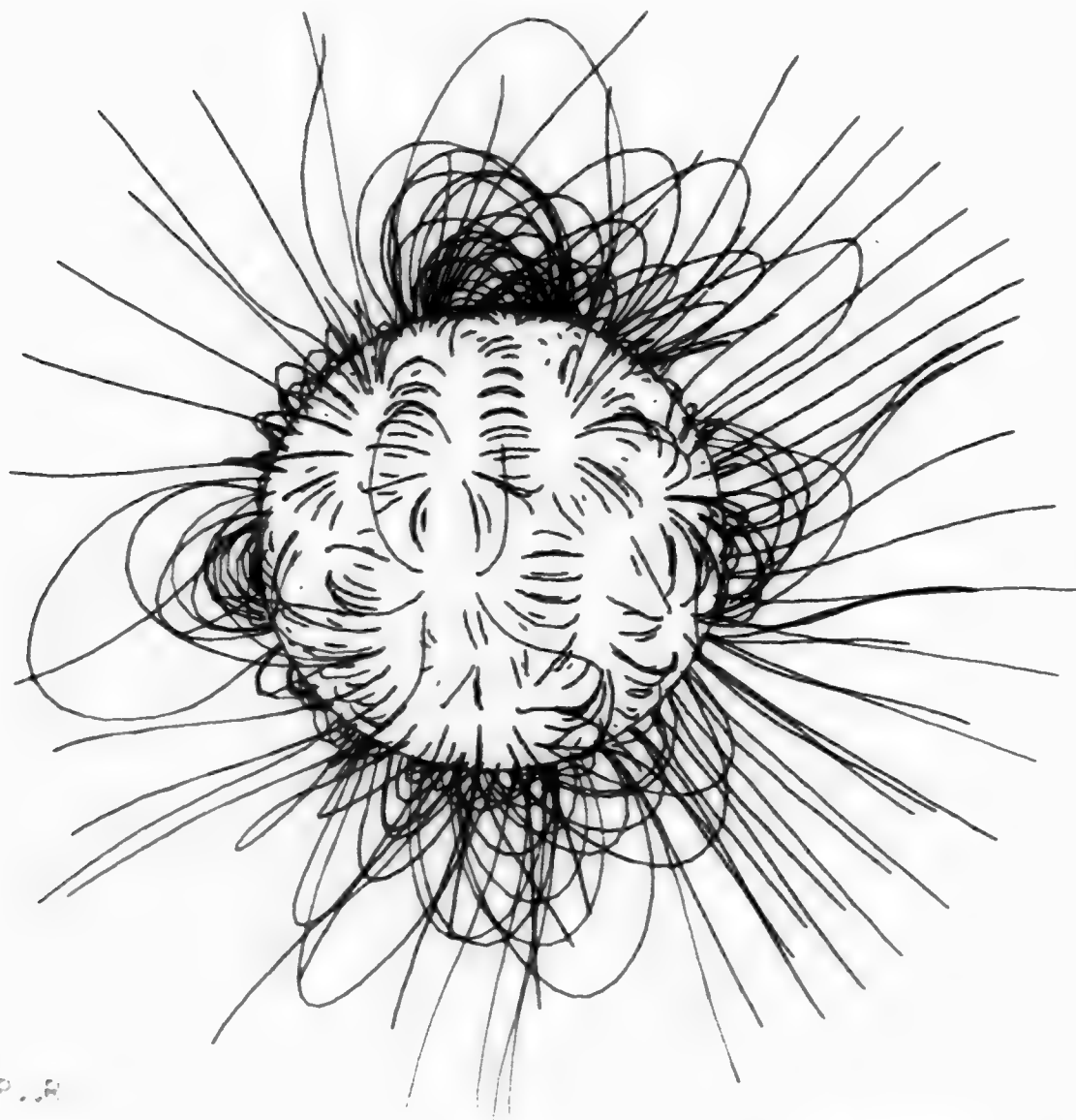
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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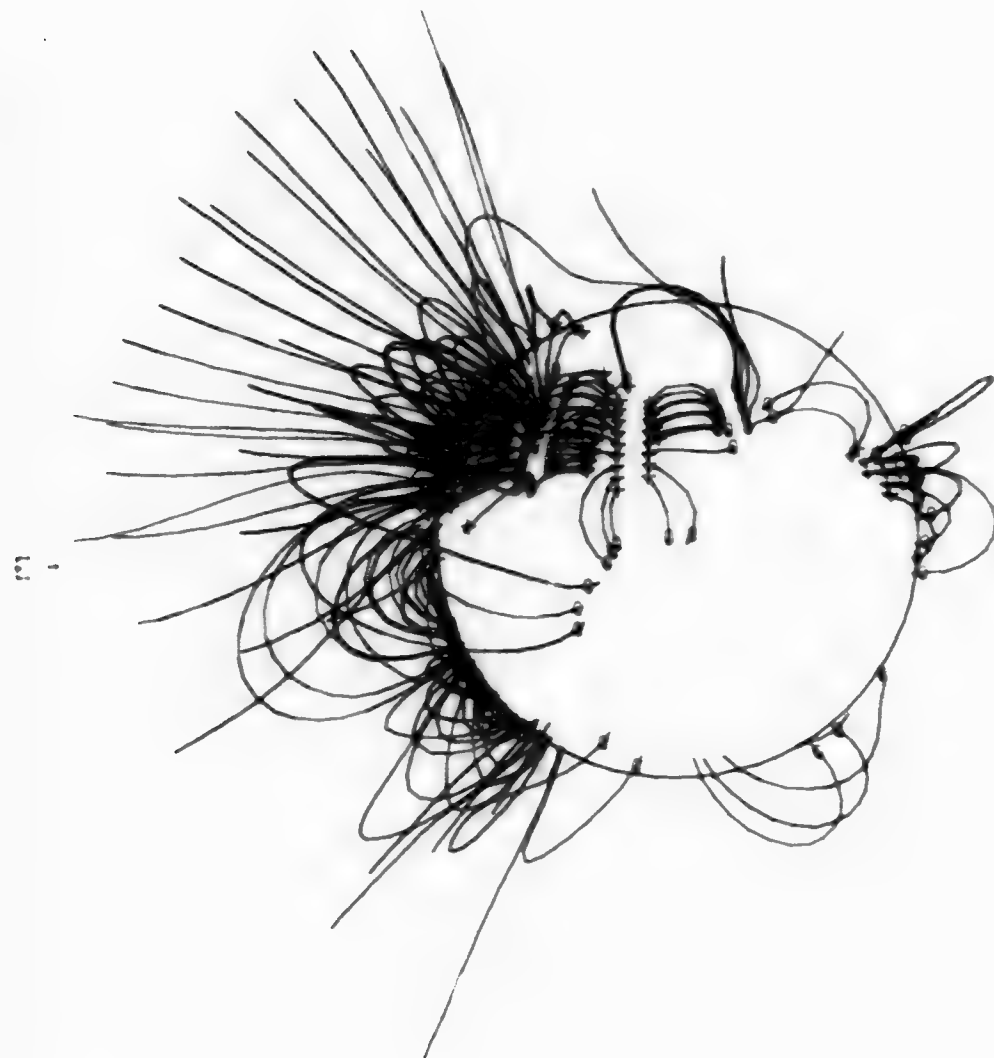
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY P.R.
 PILES DIRECT
 DATA AREA FROM...

...FROM ...
 ...

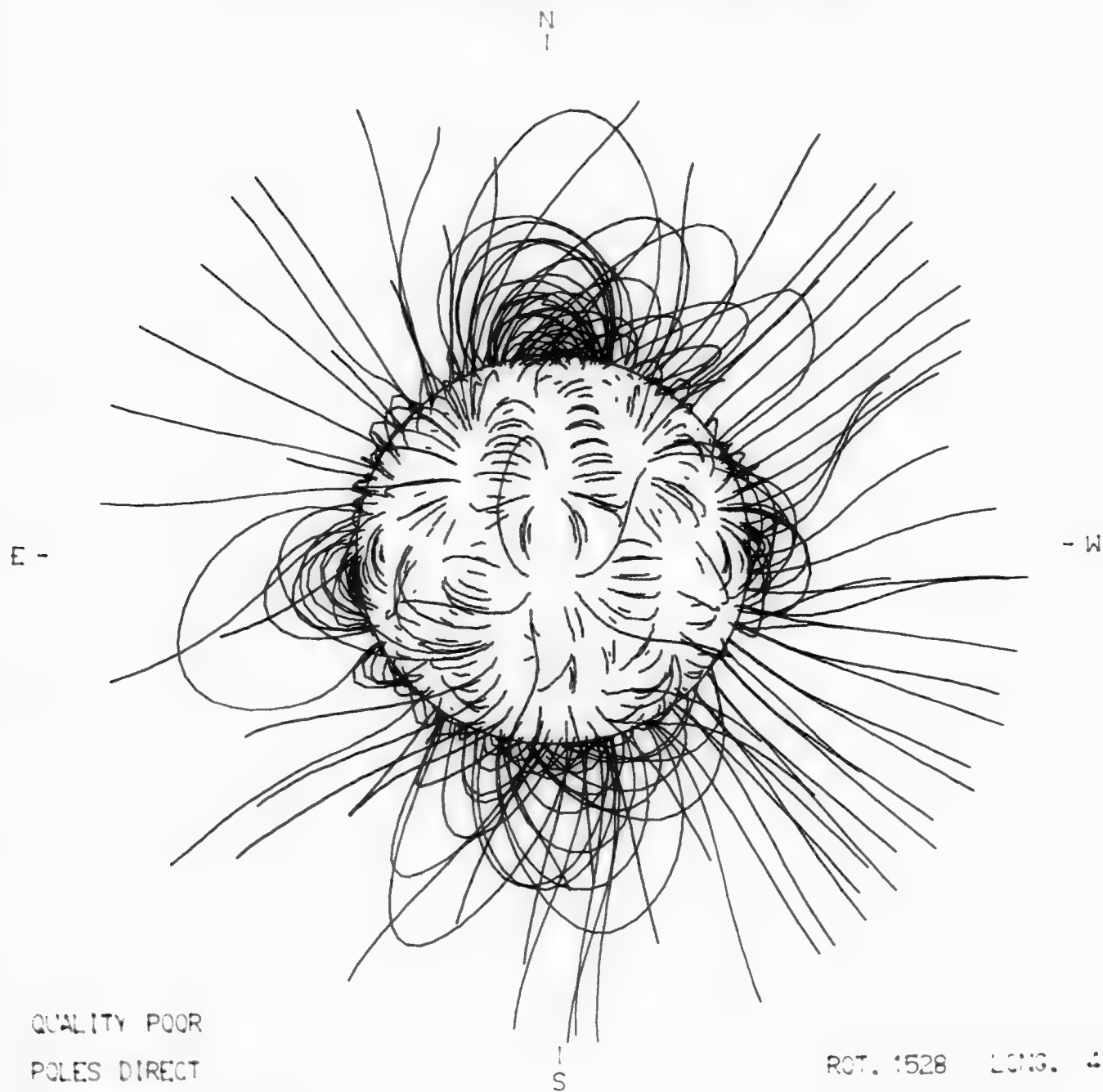
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

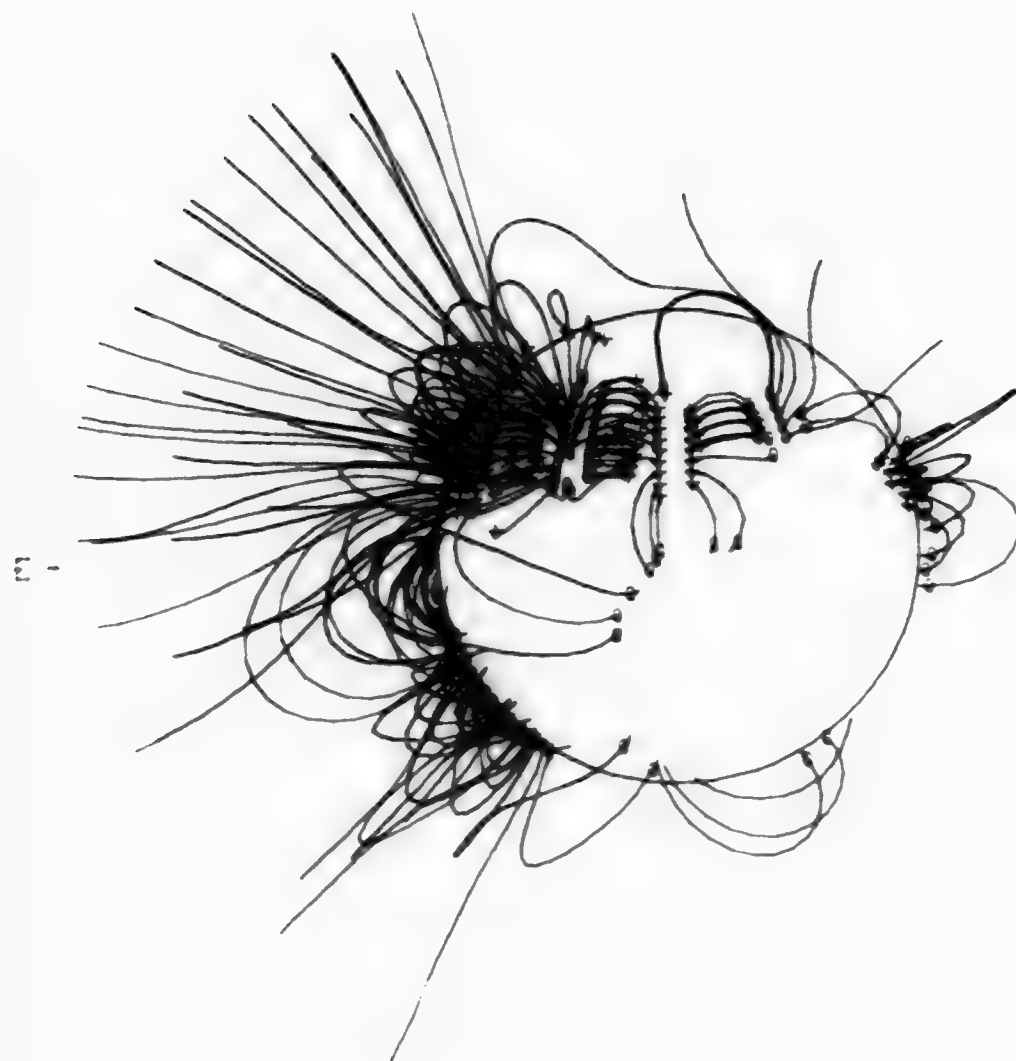
POLES DIRECT

DATA WINDOW 1528.47

ROT. 1528 LONG. 40°

16.4 DEC 1967

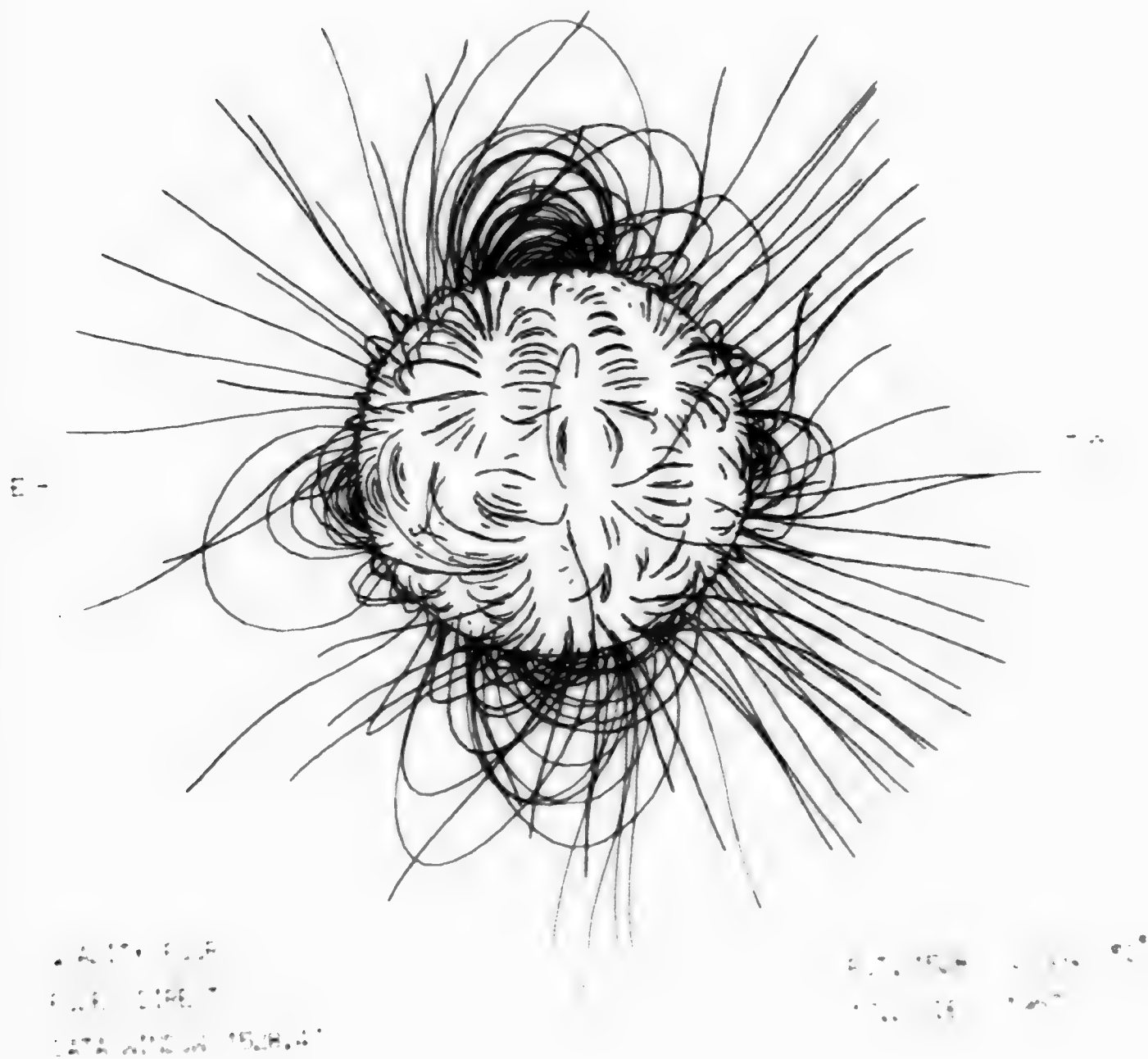
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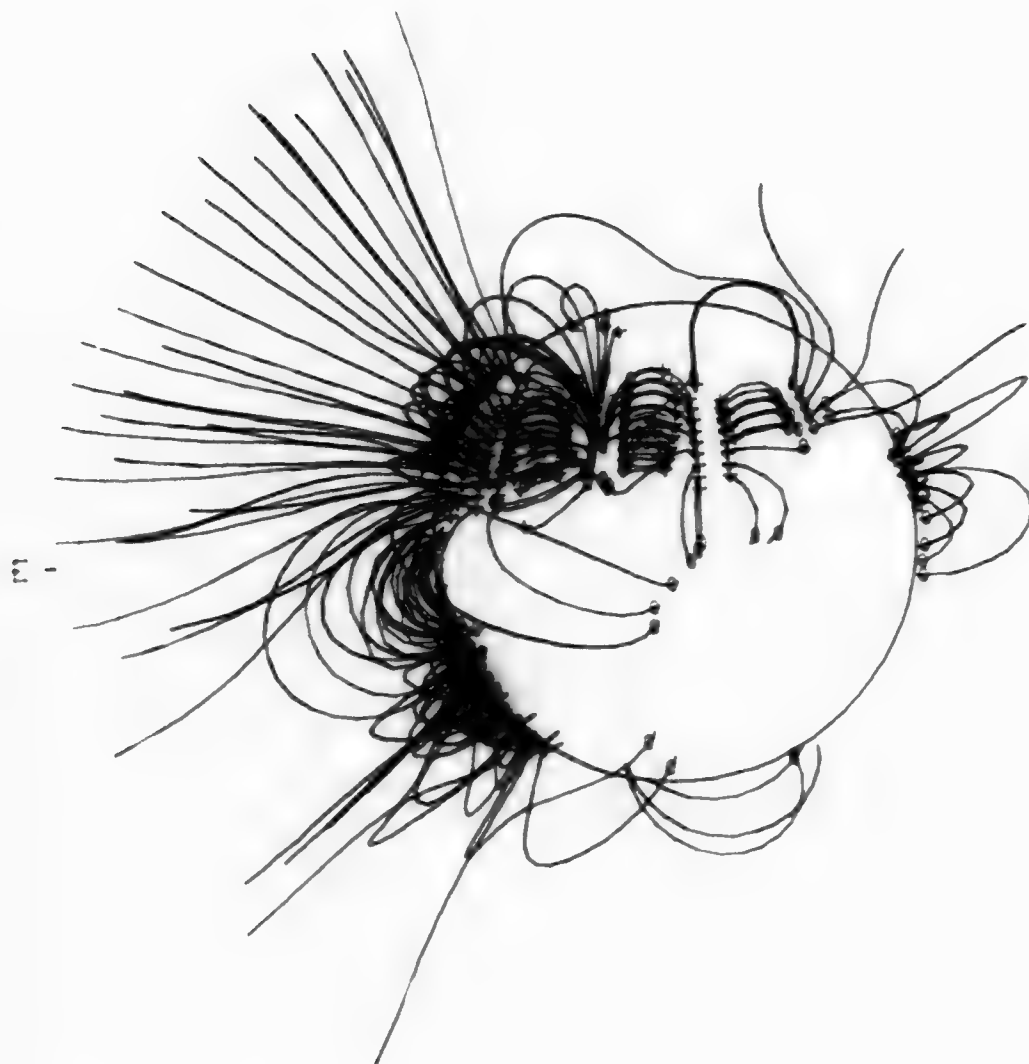
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



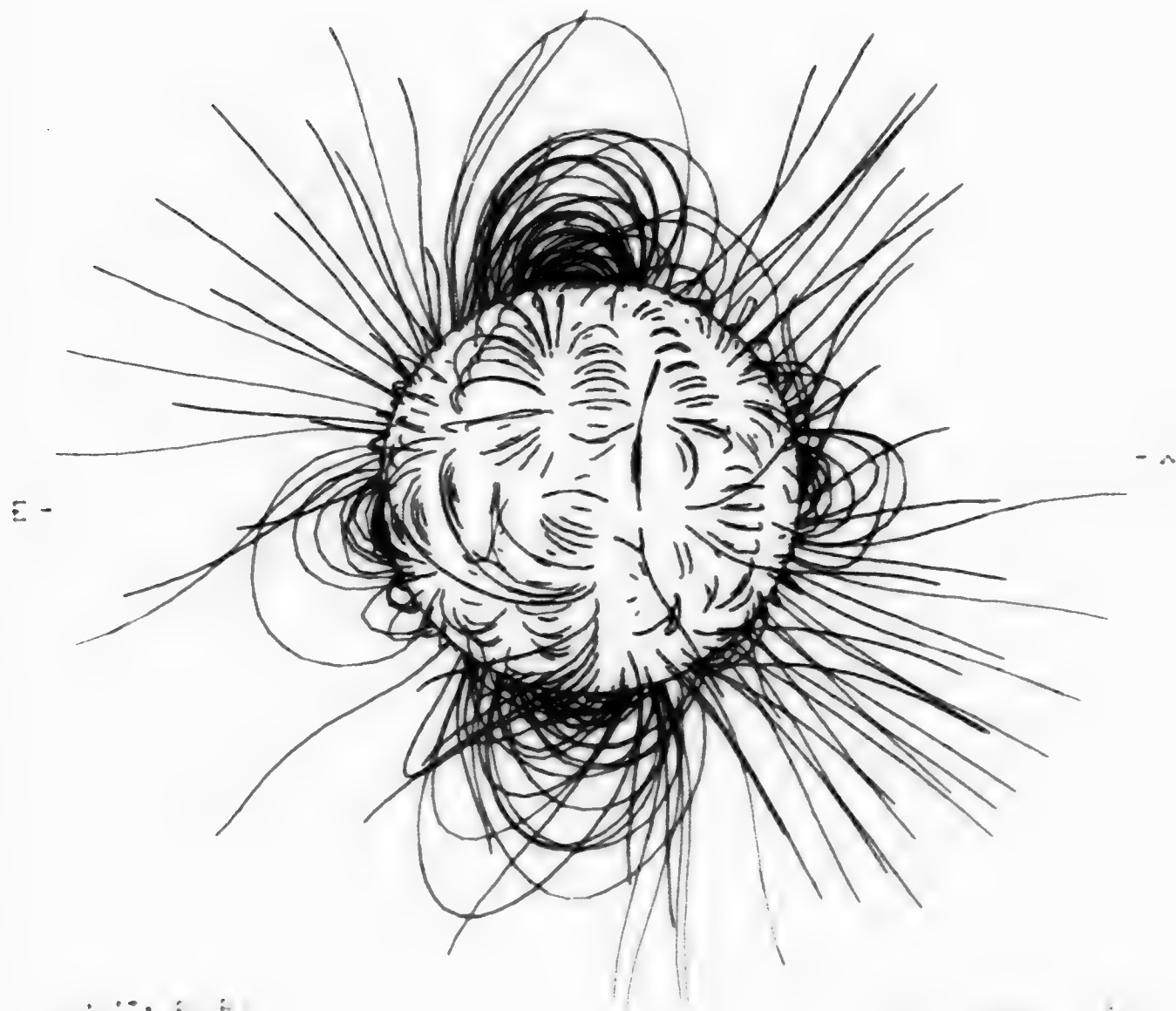
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTA 1950
 FULLY EXPLORED
 DATA WITHIN "HOM.4"

ALTA 1950
 FULLY EXPLORED
 DATA WITHIN "HOM.4"

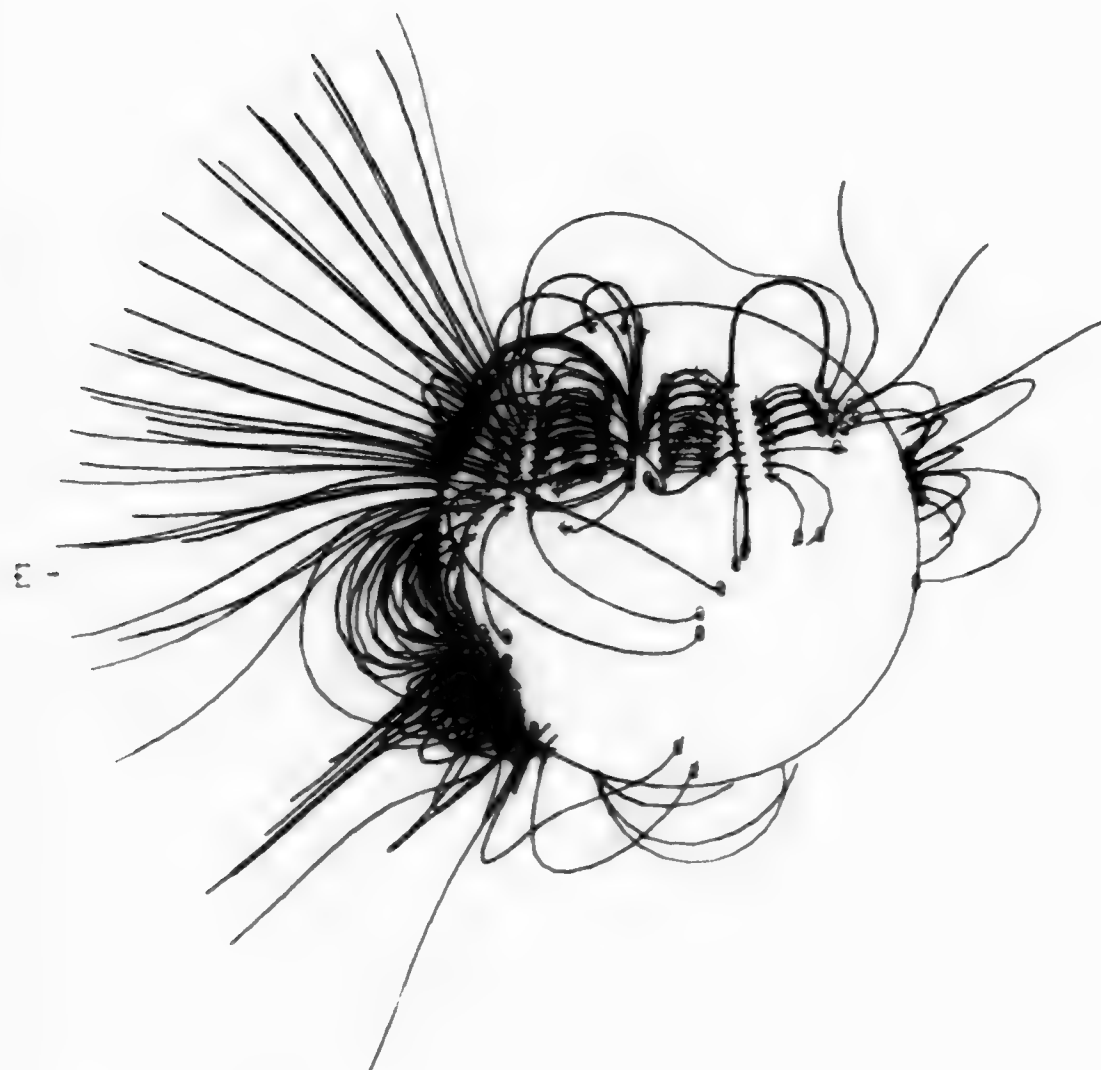
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
1954

HALE OBSERVATORY
HAWAII
1954

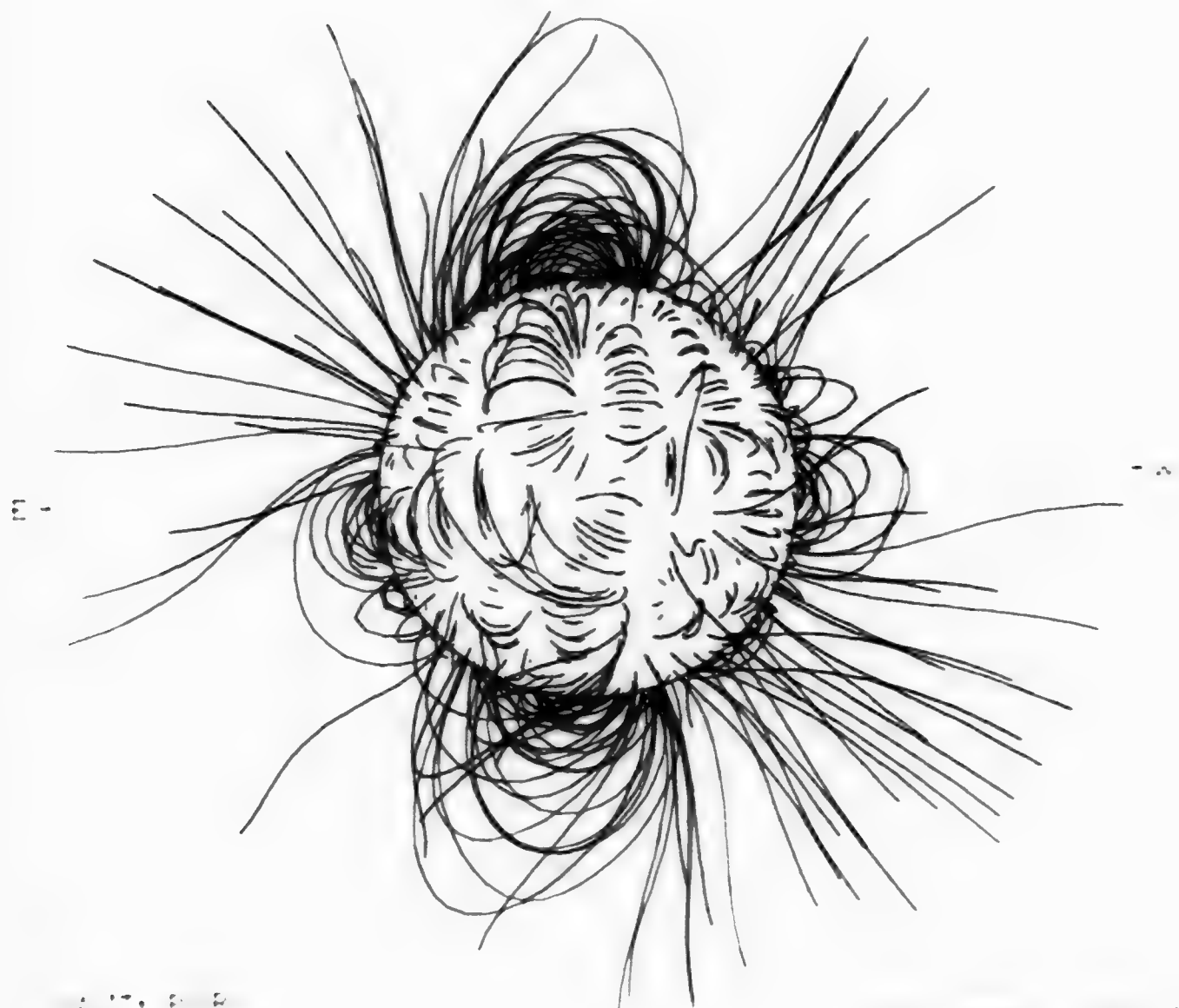
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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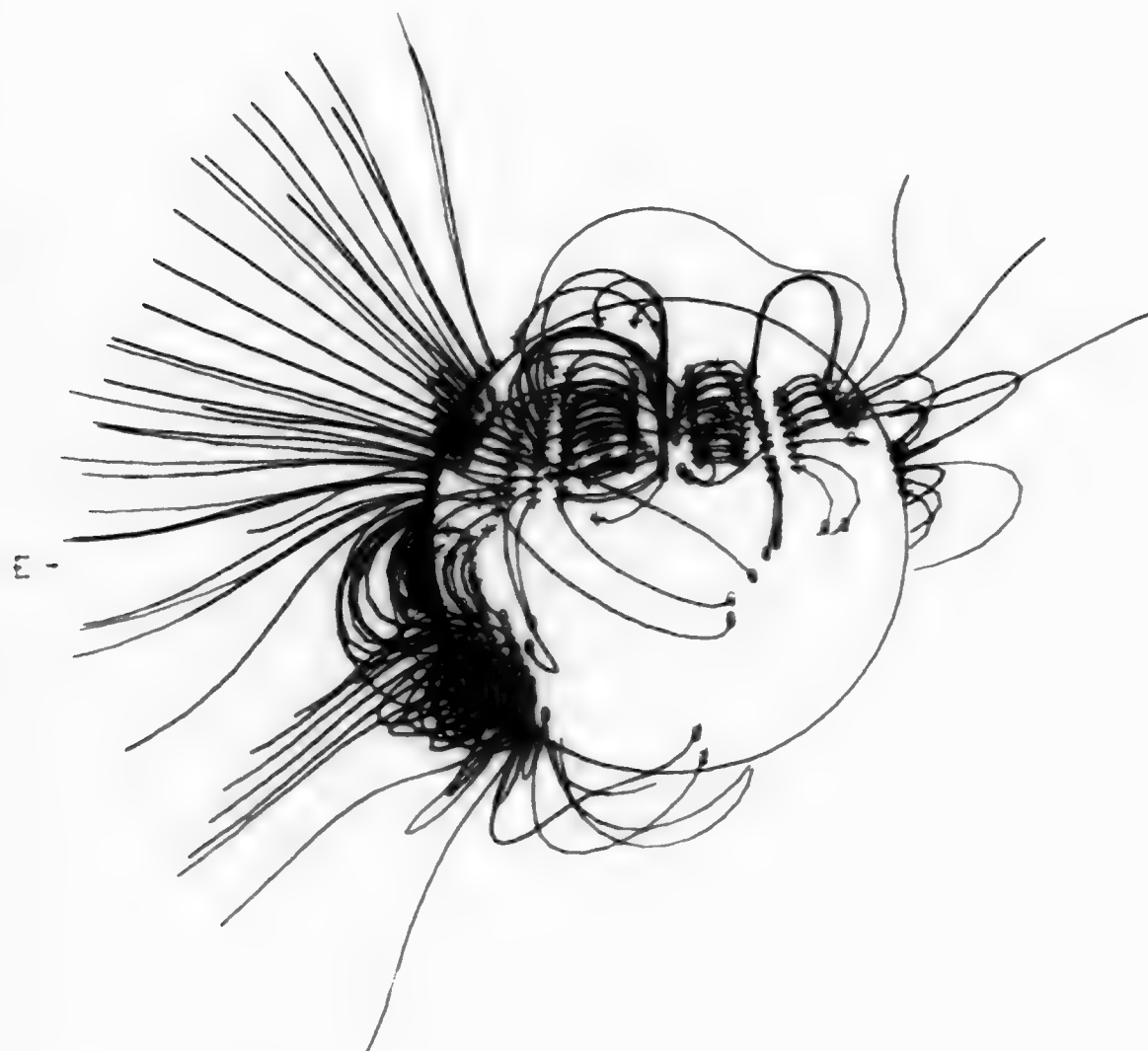
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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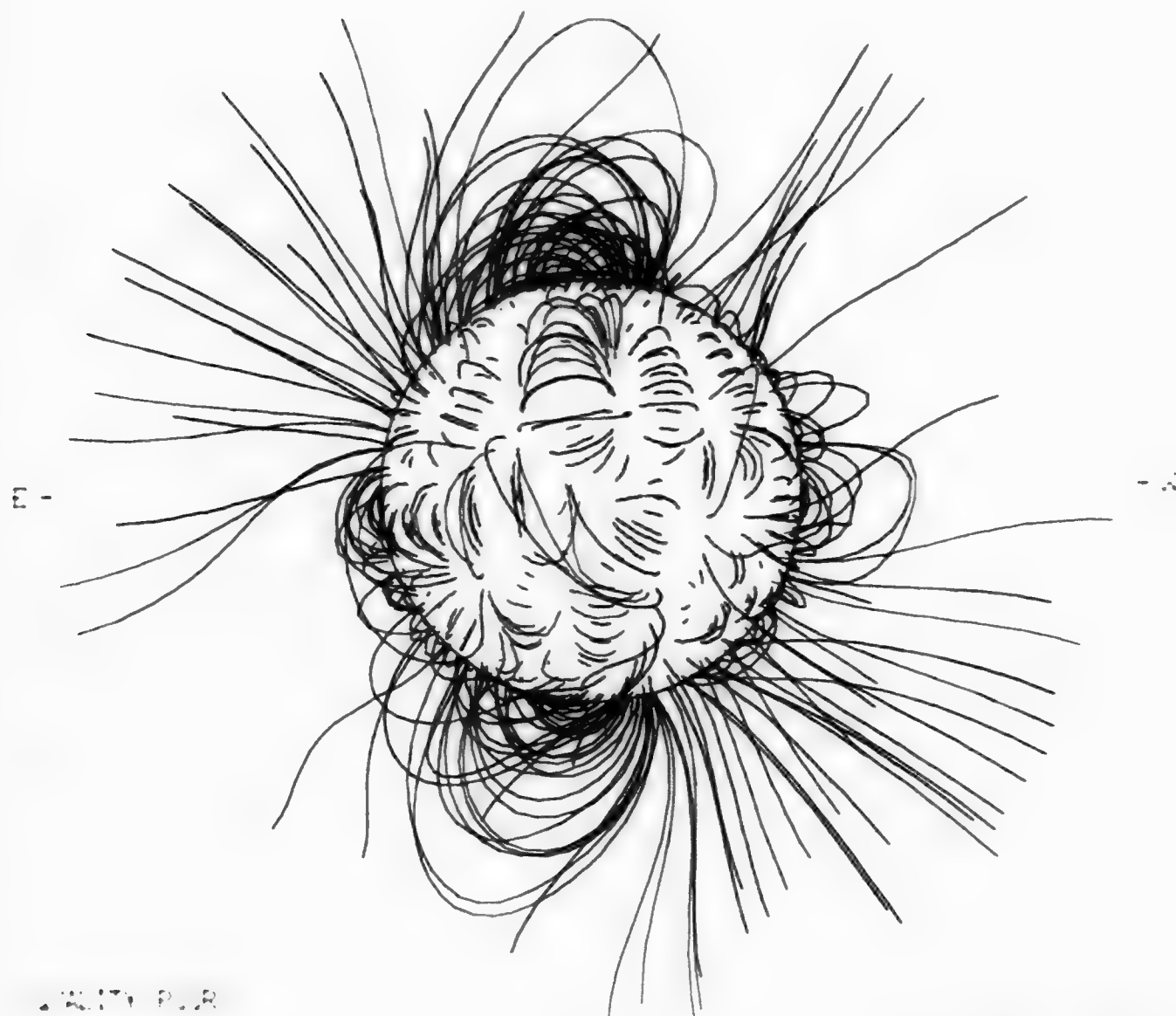
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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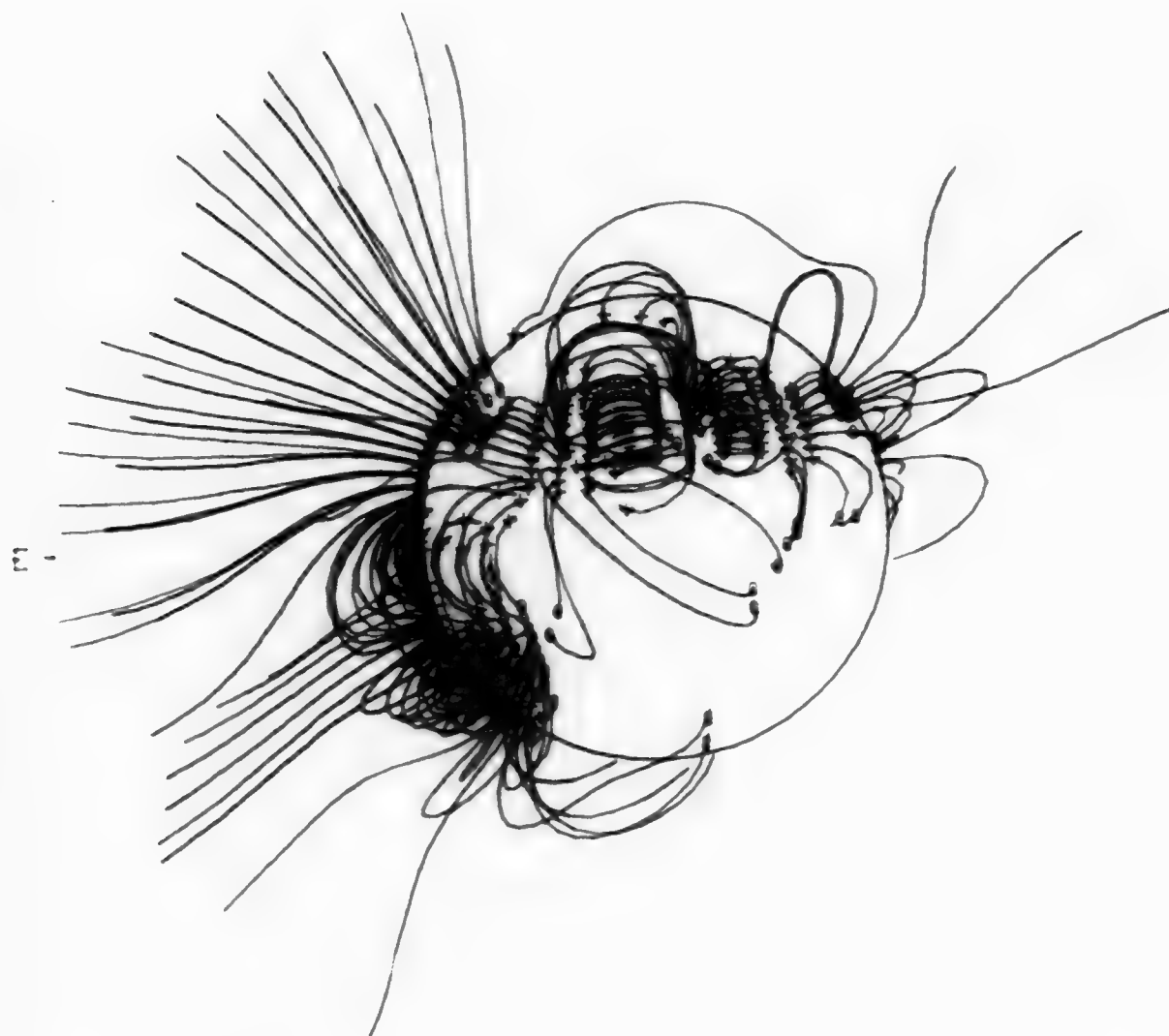
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY P.L.R.
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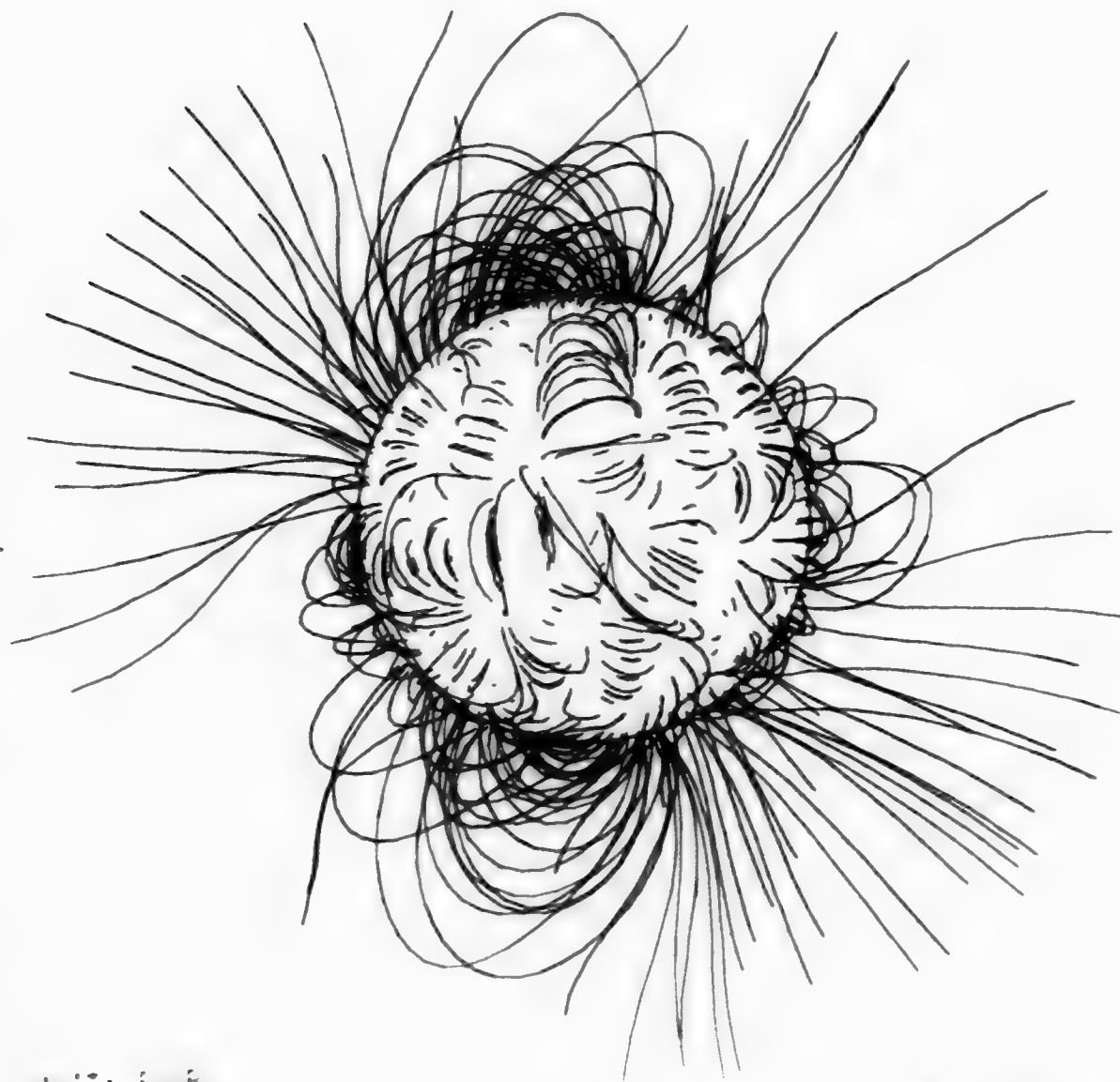
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 PLEN DIRECT
 DATA 100 1520.4

ALTY 100 1520.4
 PLEN DIRECT

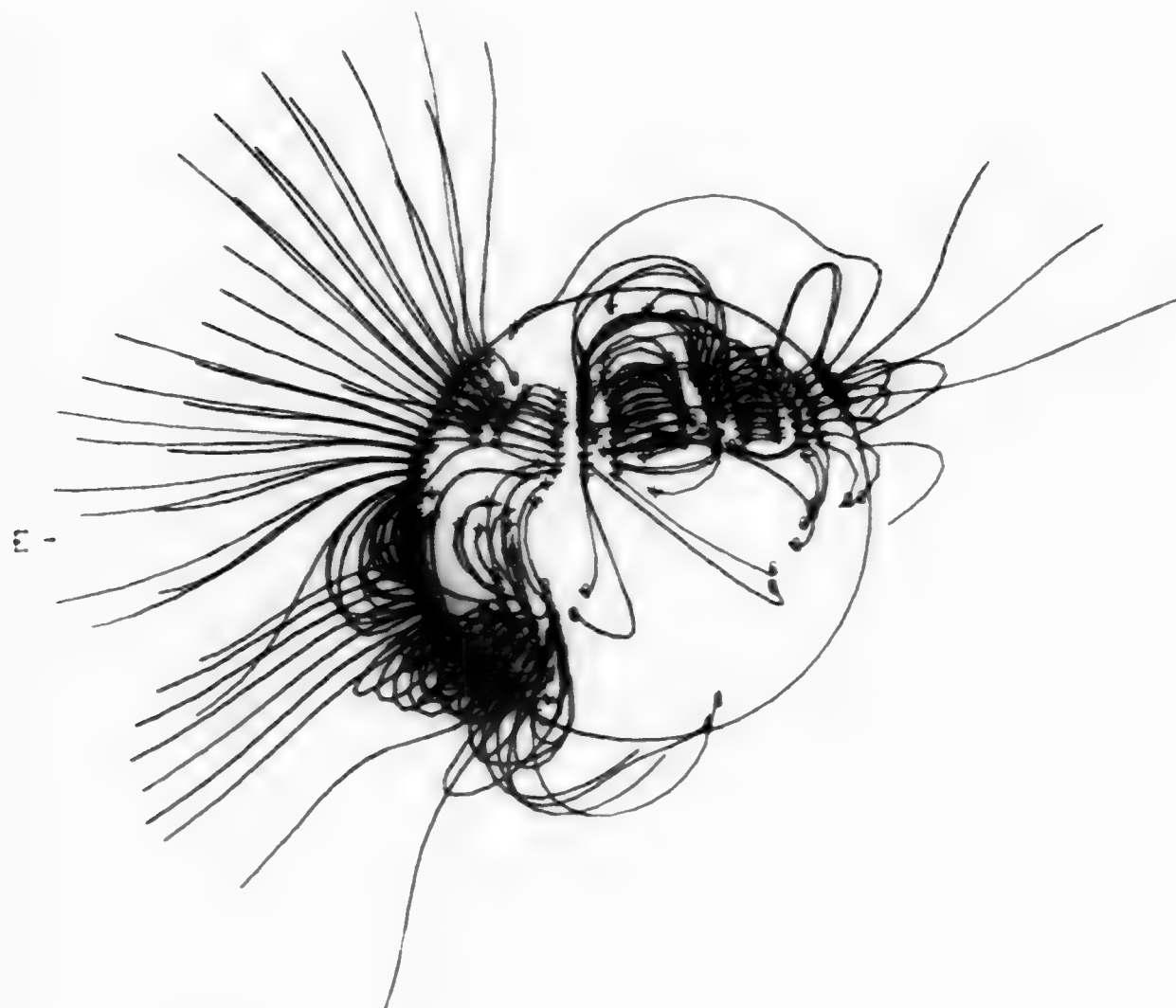
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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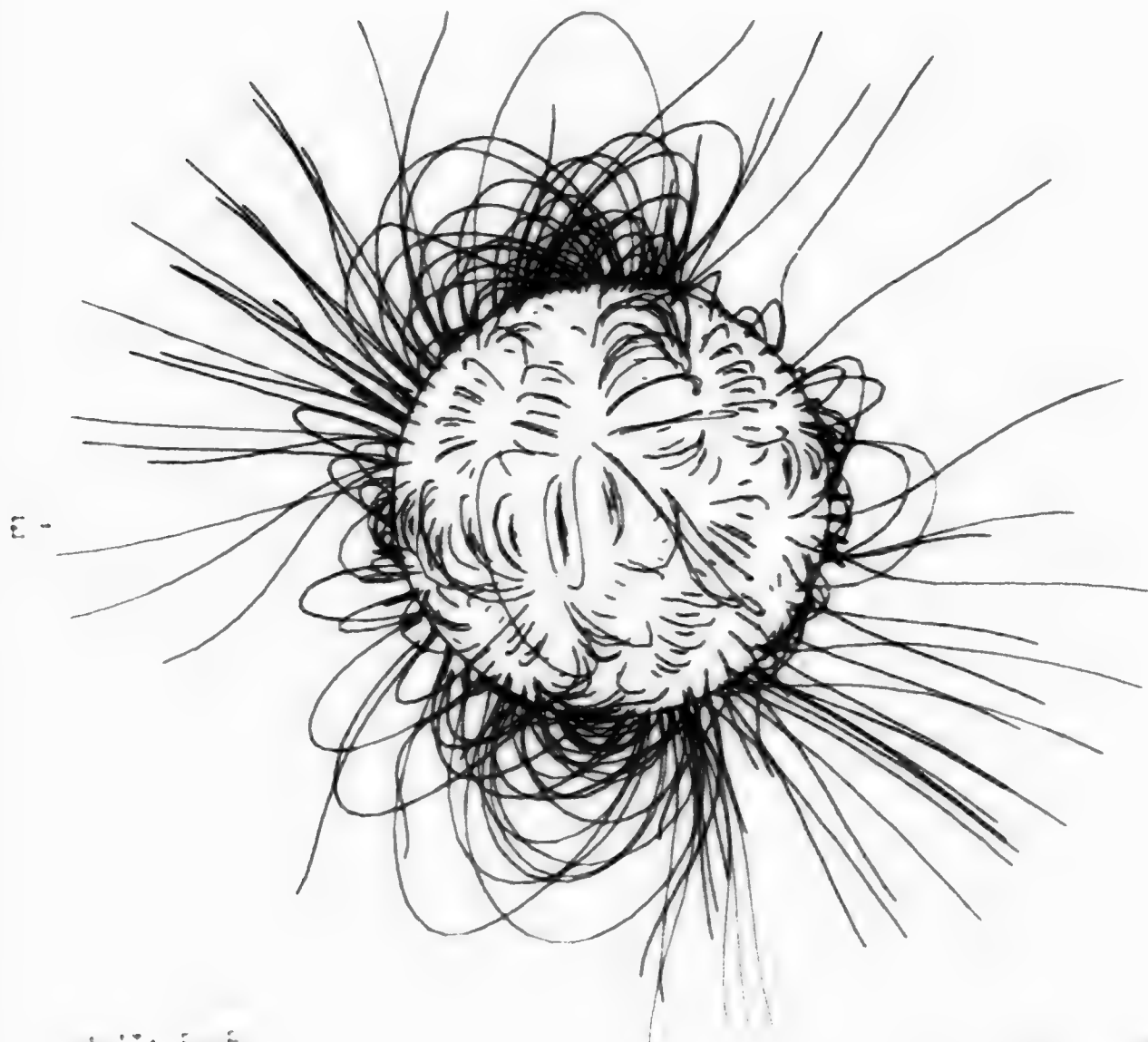
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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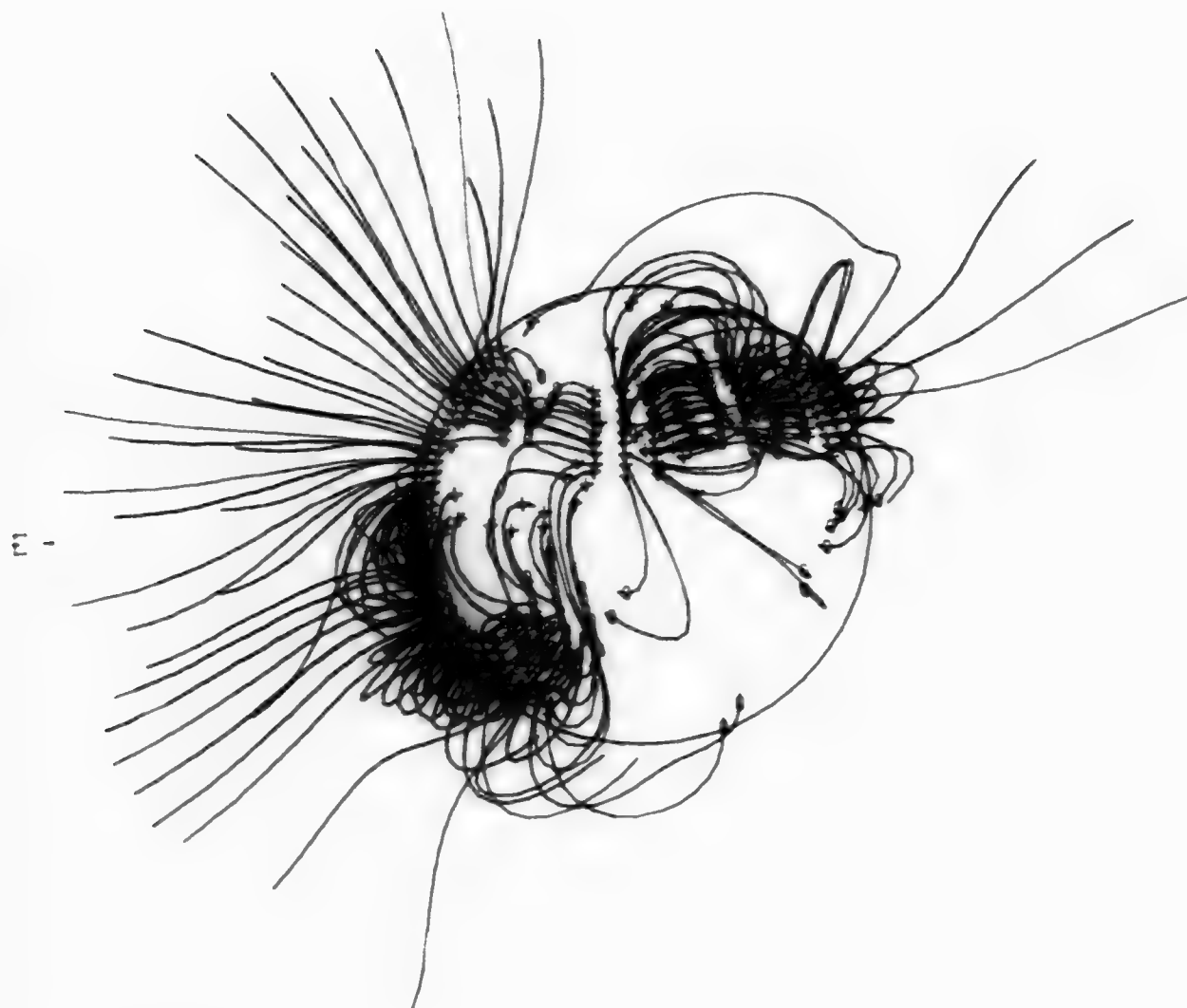
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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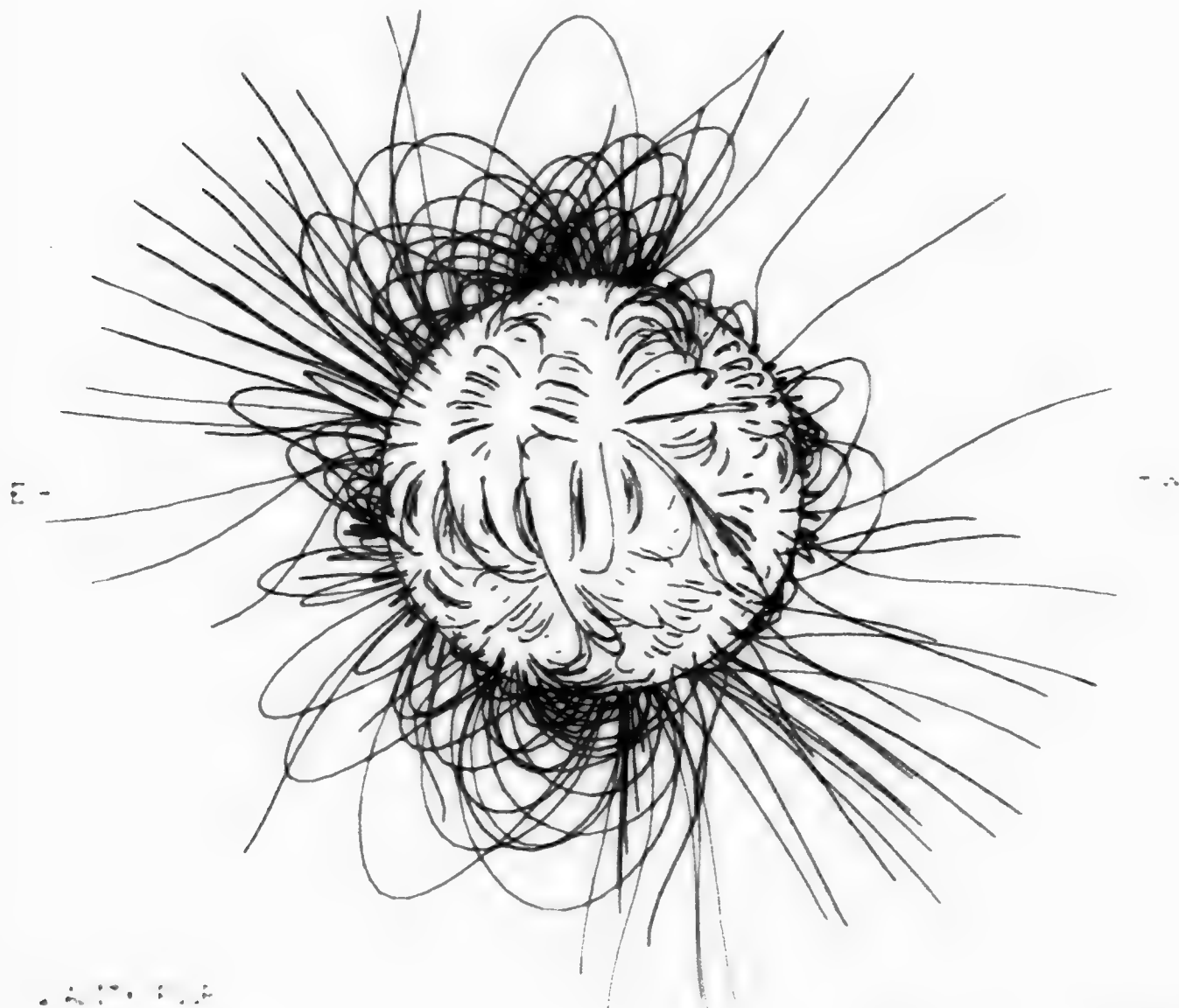
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 GREENSBORO, N.C.
 OCTOBER 1964

HALE OBSERVATORY
 GREENSBORO, N.C.
 OCTOBER 1964

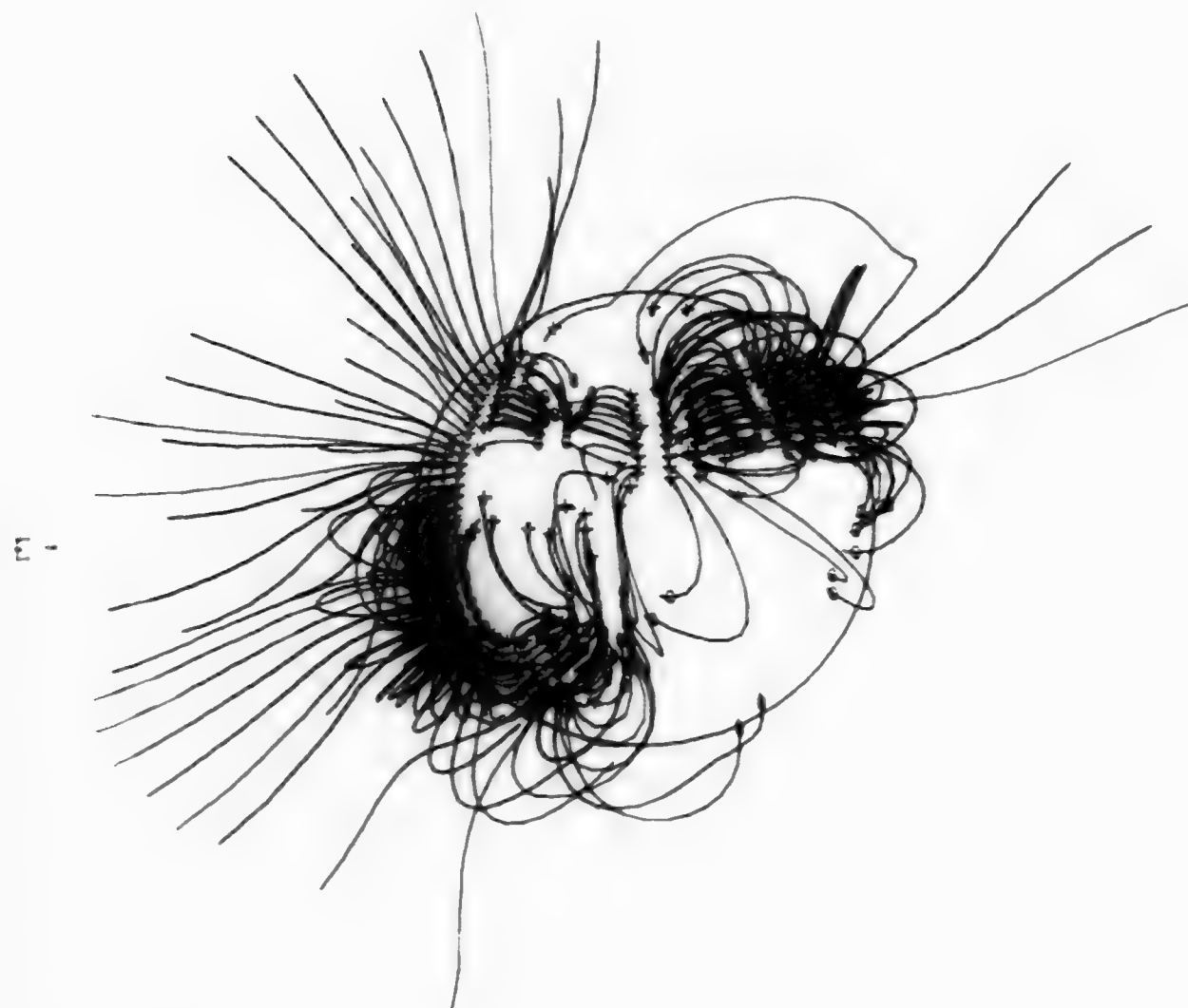
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES

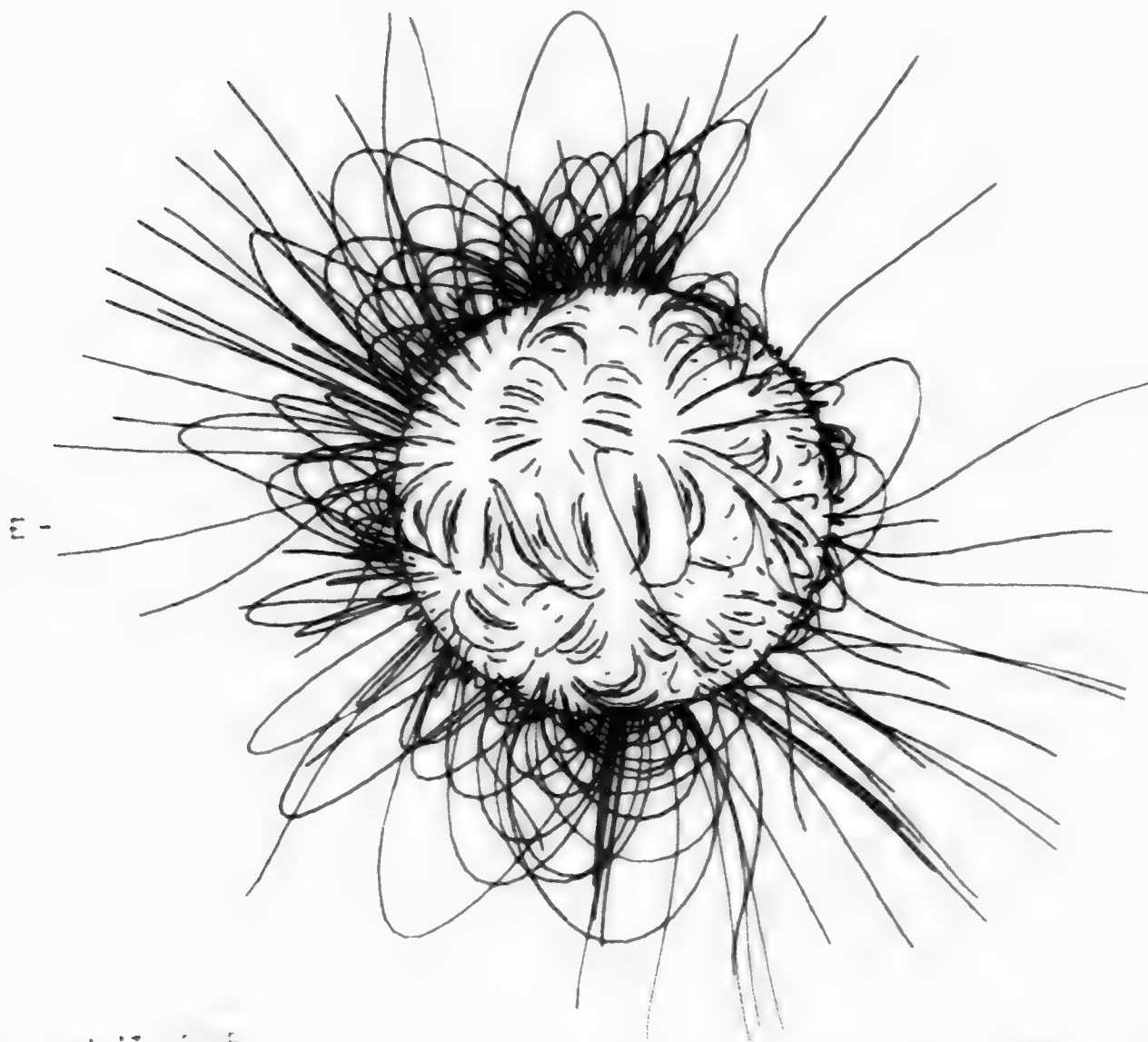
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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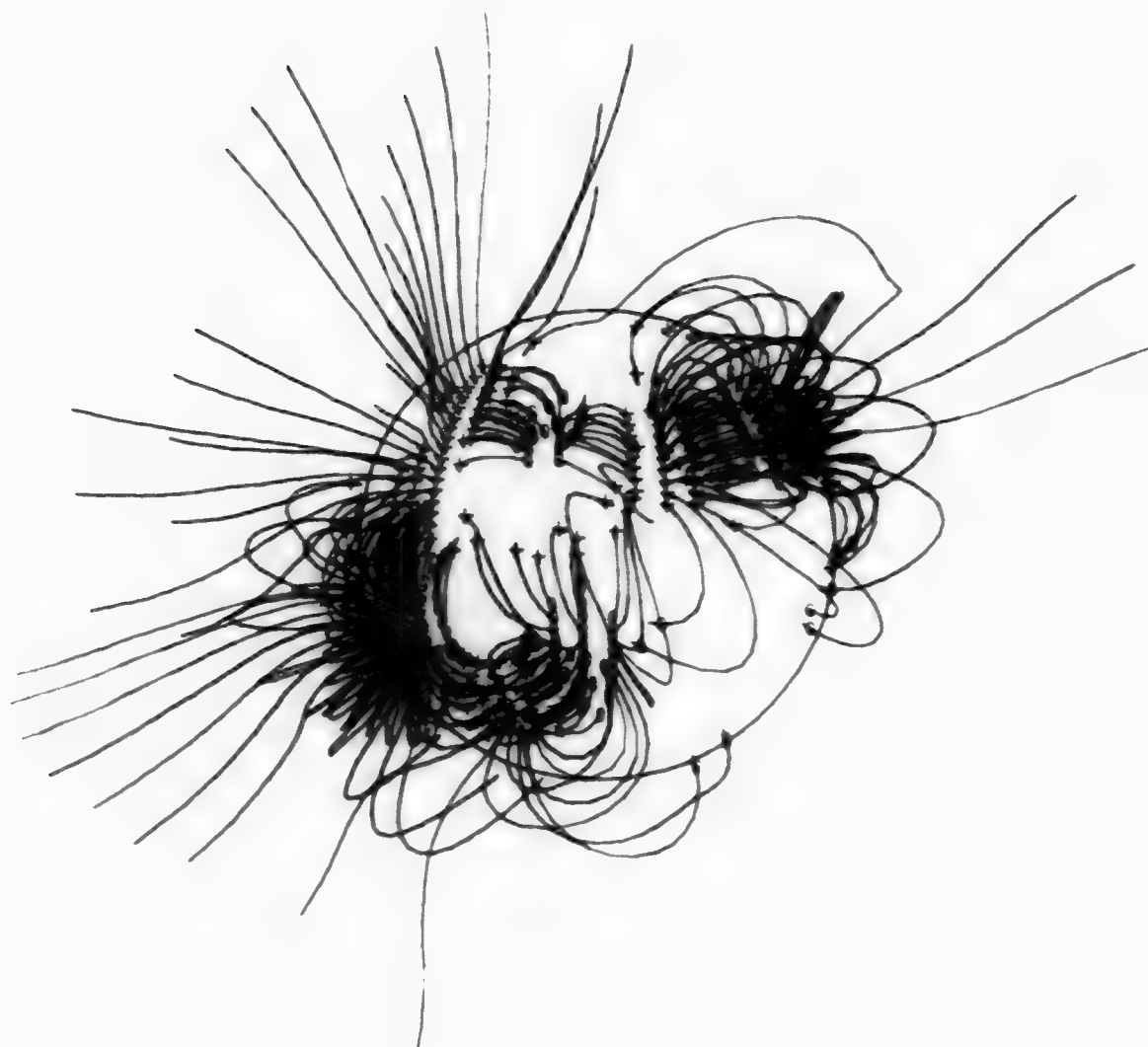
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

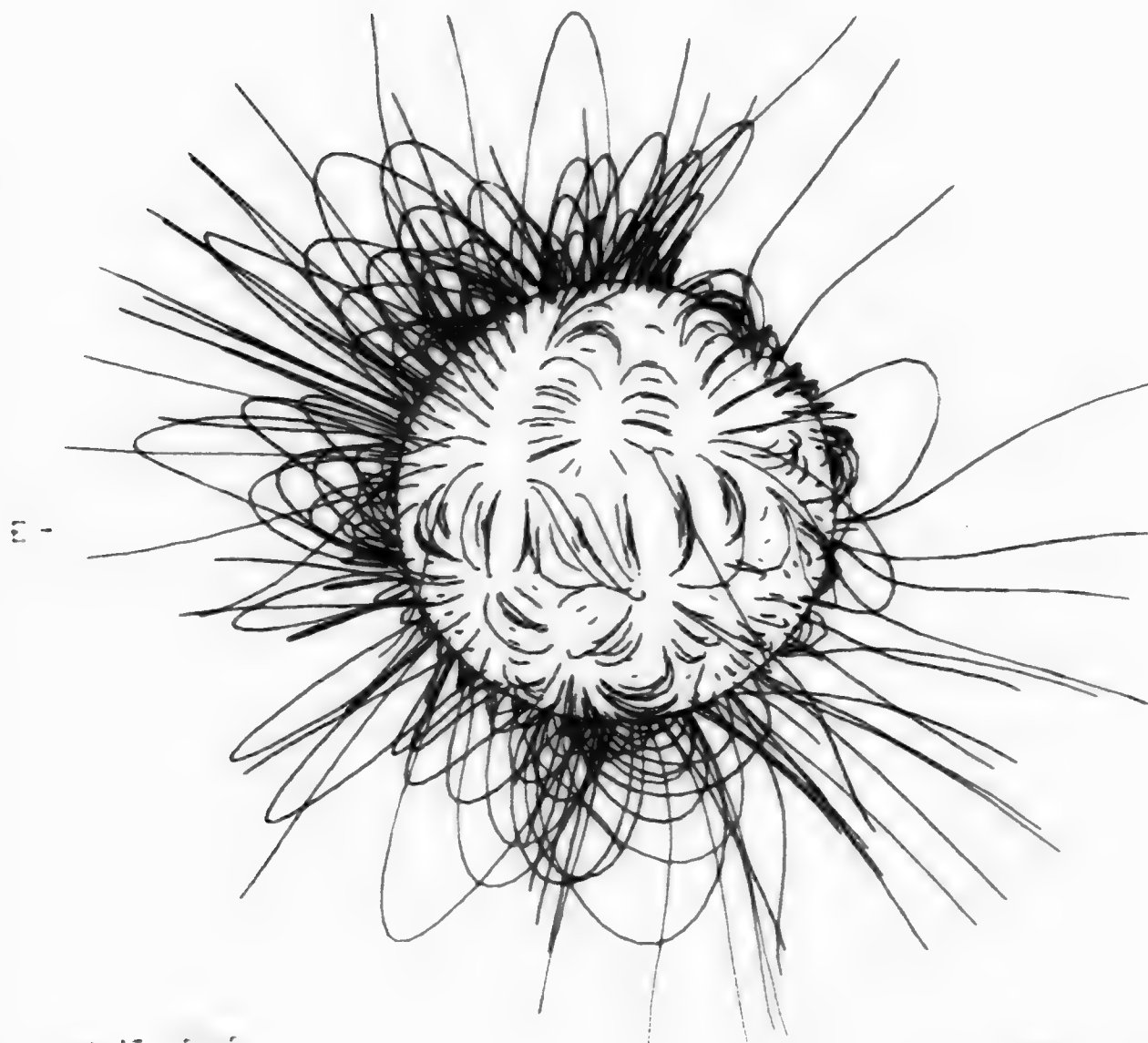
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALES OBSERVATORY
 DATA FROM 1954-55

HALE OBSERVATORY
 HALES OBSERVATORY
 DATA FROM 1954-55

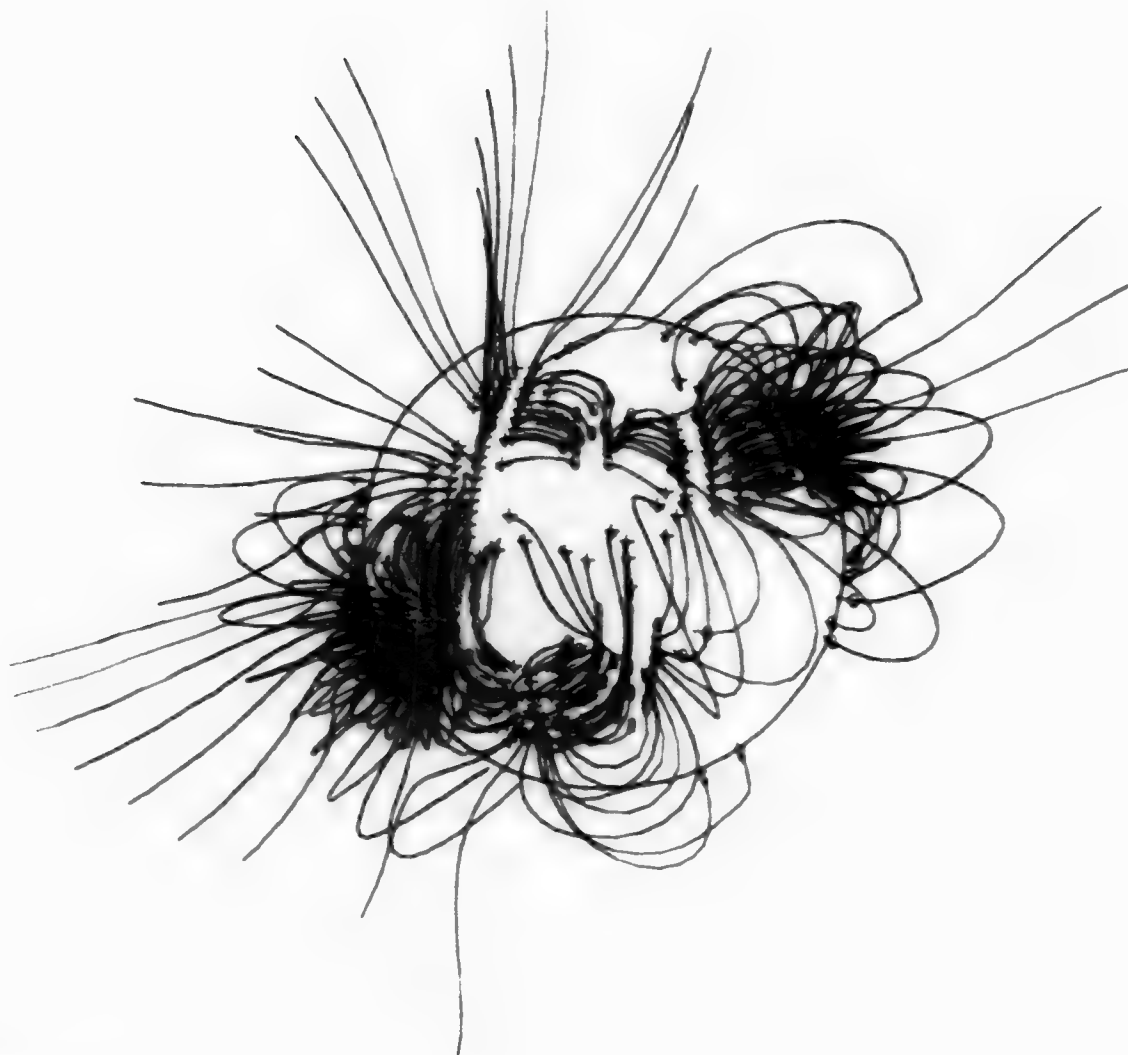
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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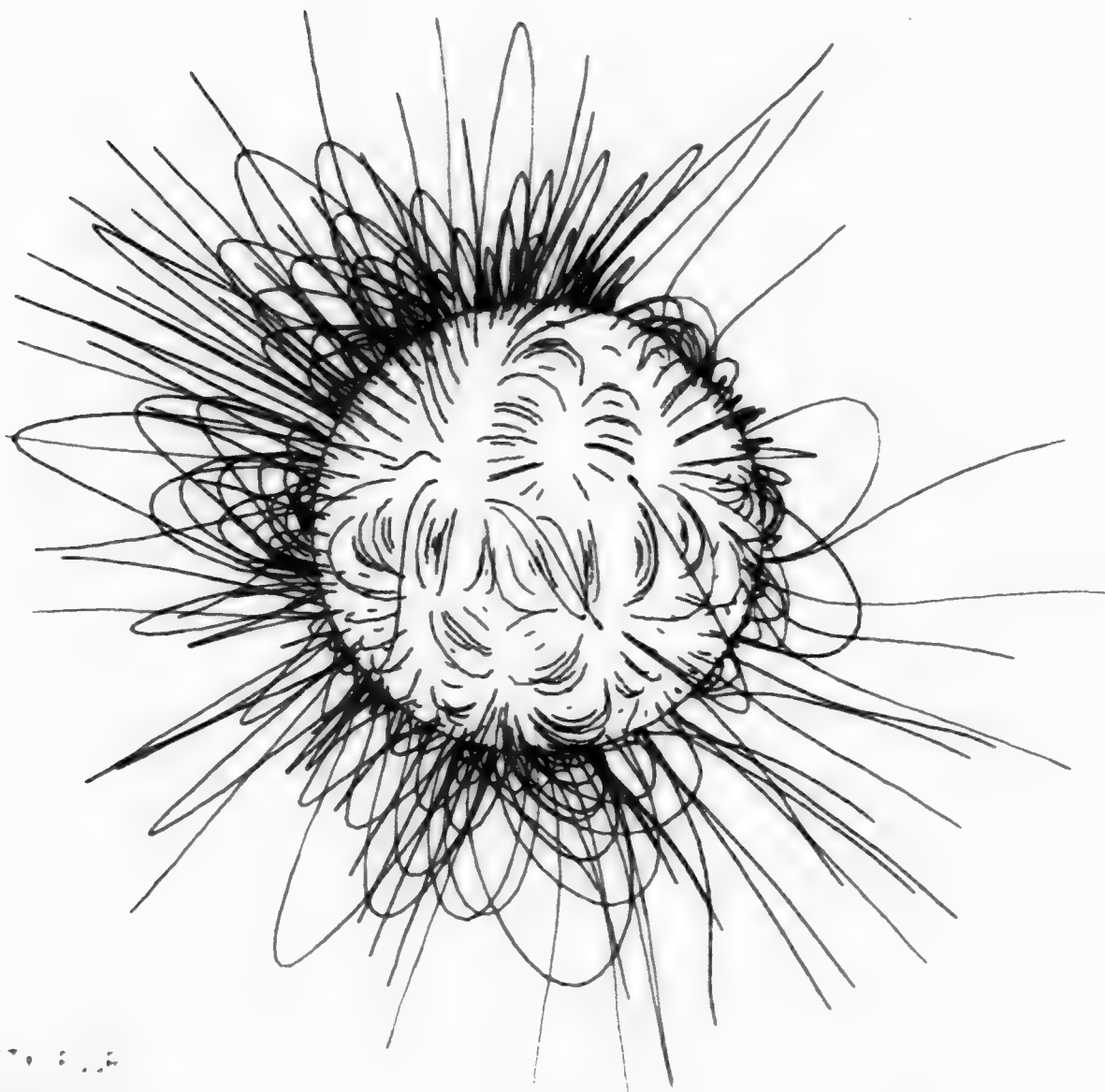
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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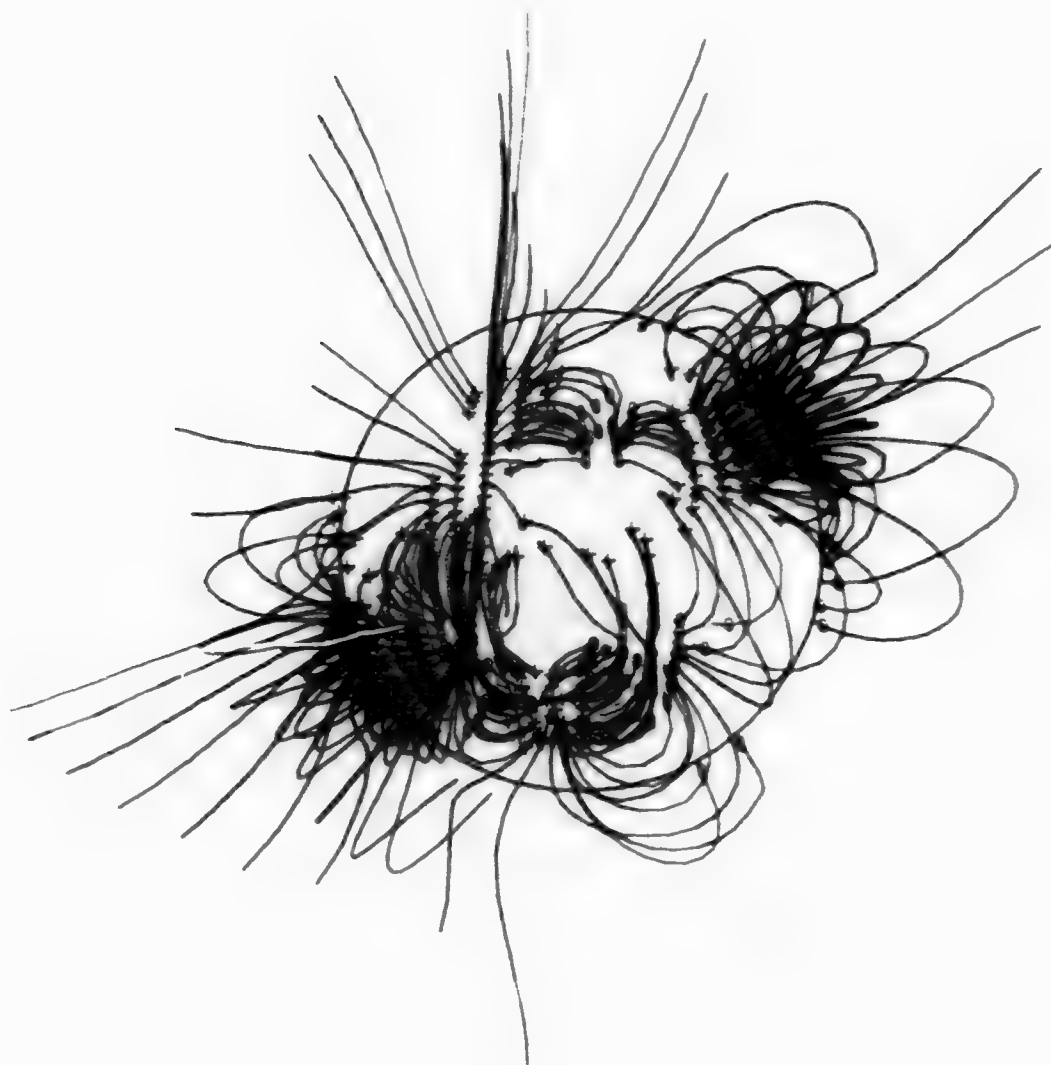
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1917
 1917-1921

HALE OBSERVATORY
 1917-1921

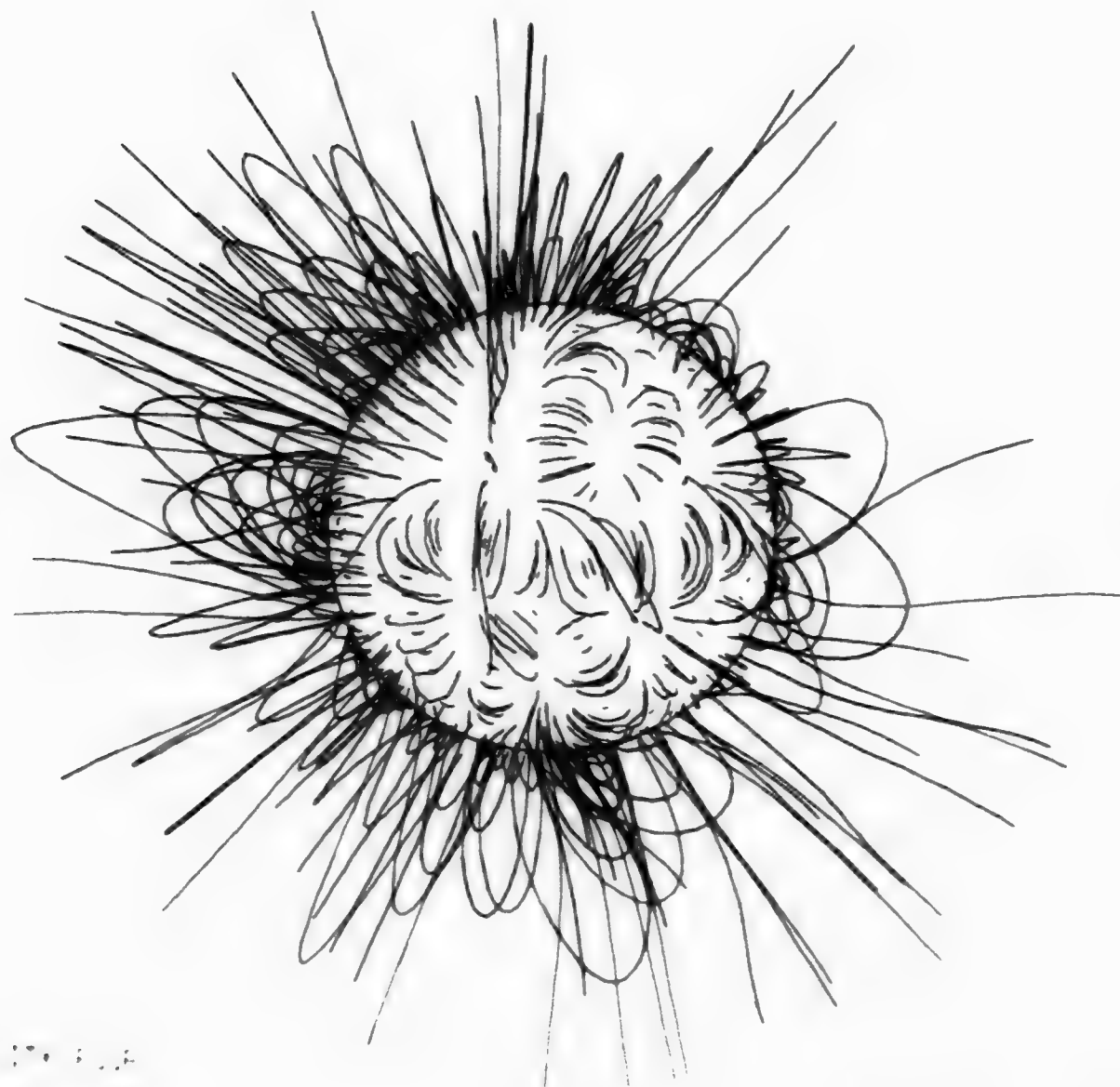
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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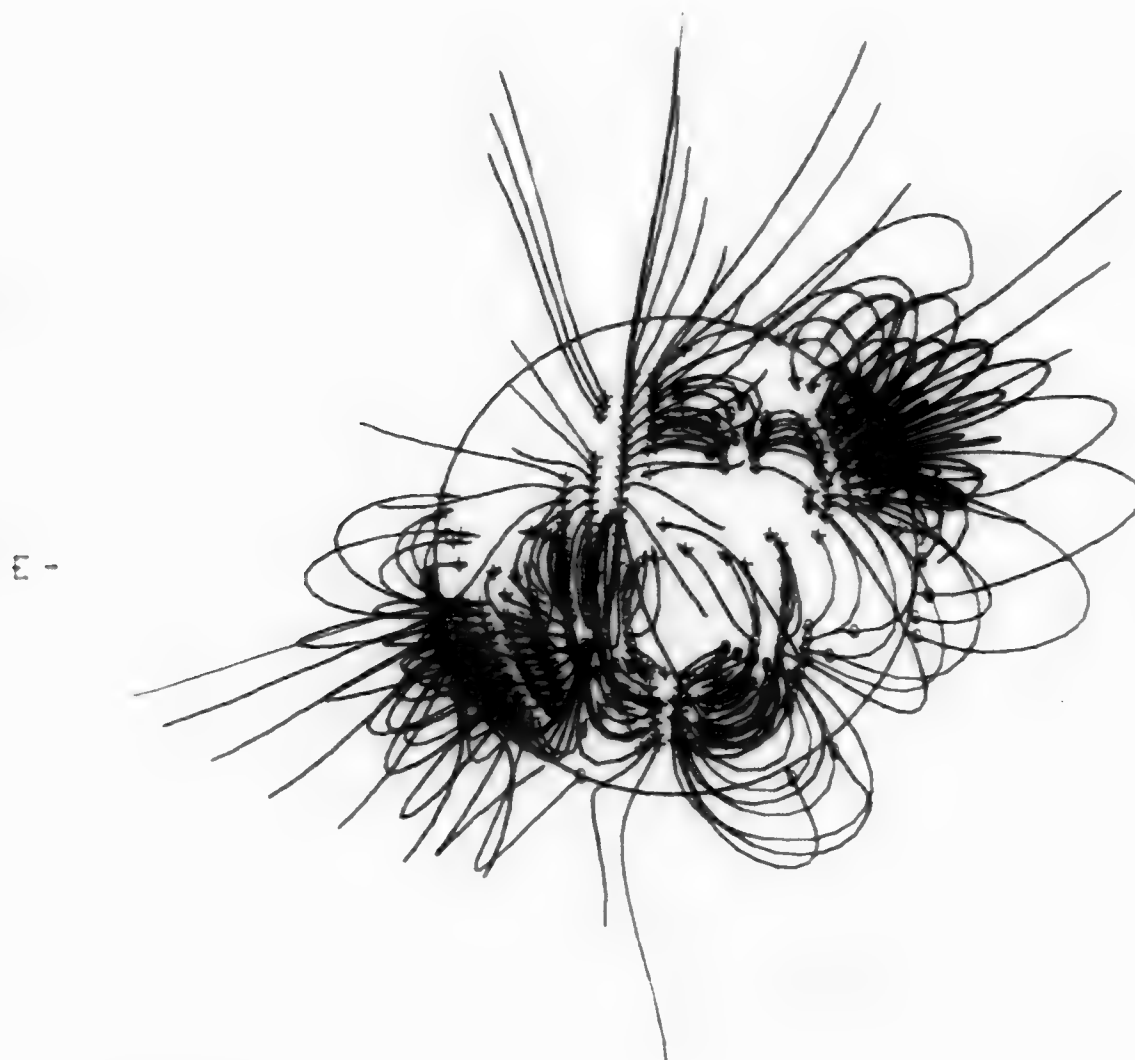
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HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

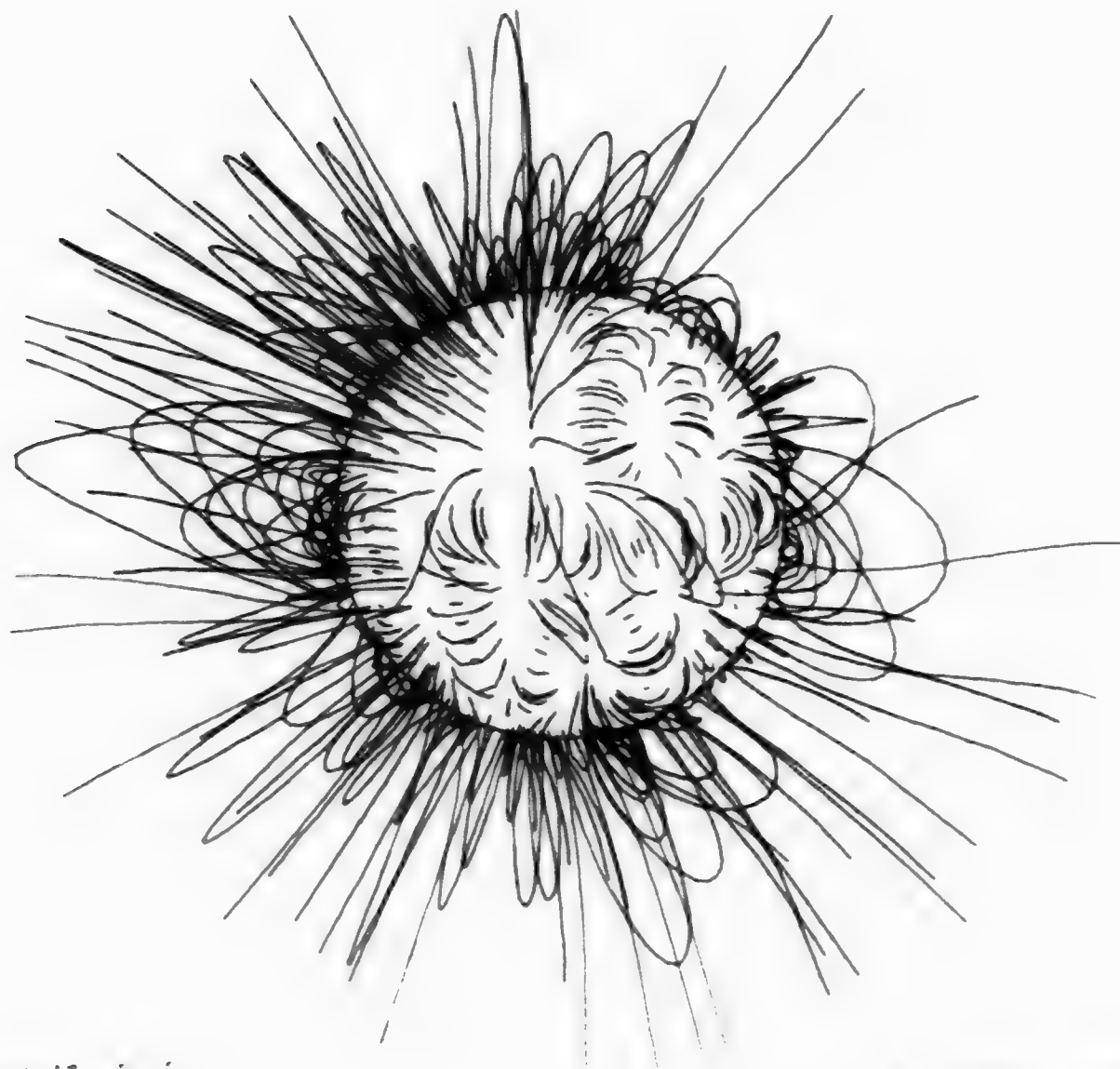
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ALTA 1978
 ALTA 1978
 DATA 1978 15.08.47

ALTA 1978 15.08.47
 ALTA 1978 15.08.47

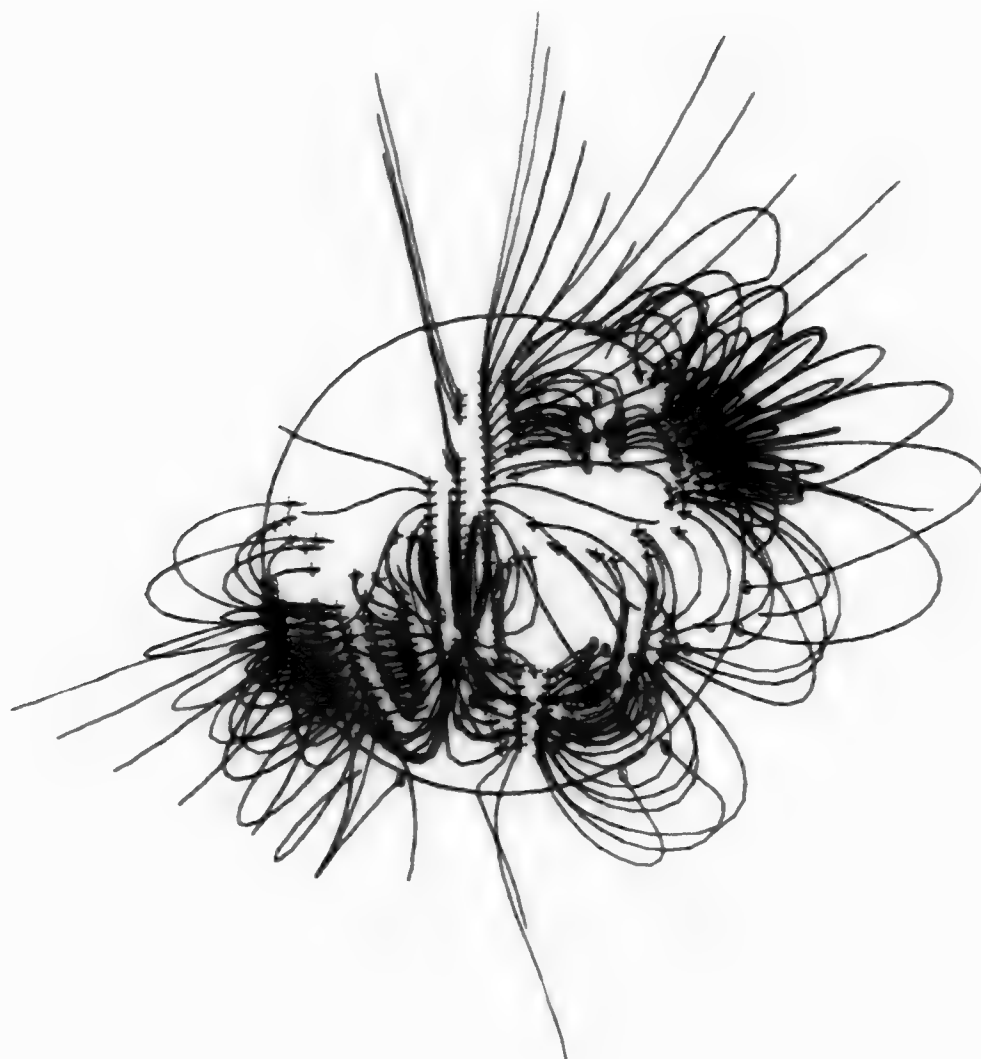
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SUN
SUN

HALE OBSERVATORY
SUN
SUN

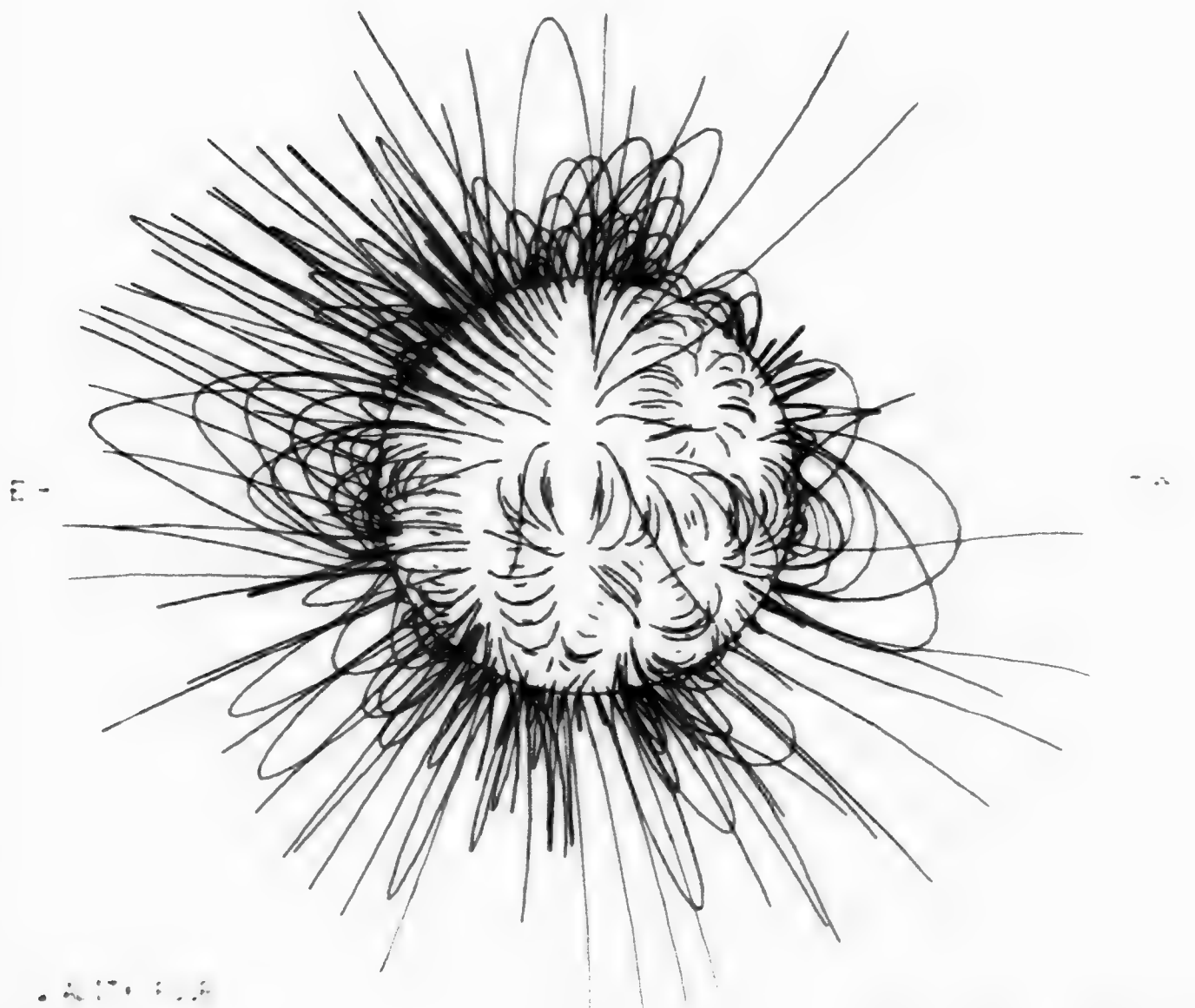
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AND INFORMATION

HAILE OBSERVATORIES
 DATA AND INFORMATION

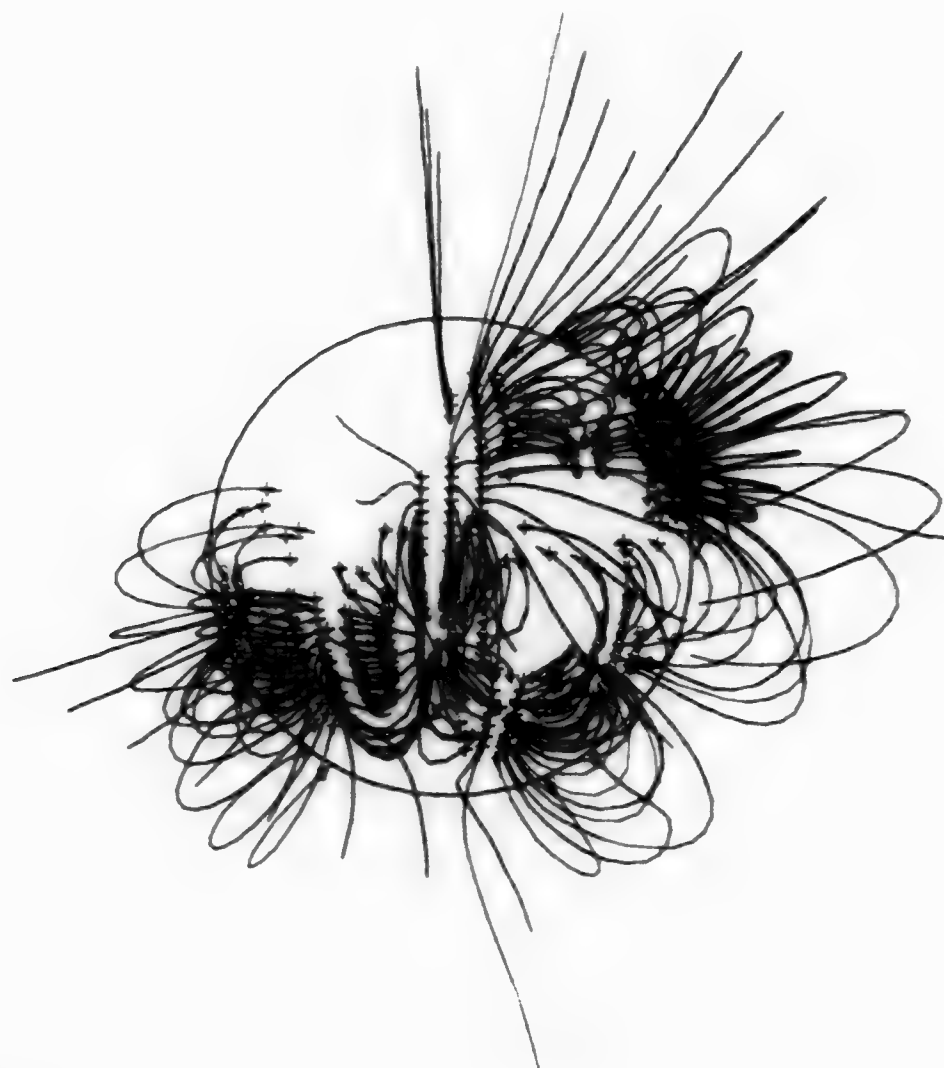
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



. ALP 1000
 1000 1000
 1000 1000 1000 1000

1000 1000 1000 1000
 1000 1000 1000 1000

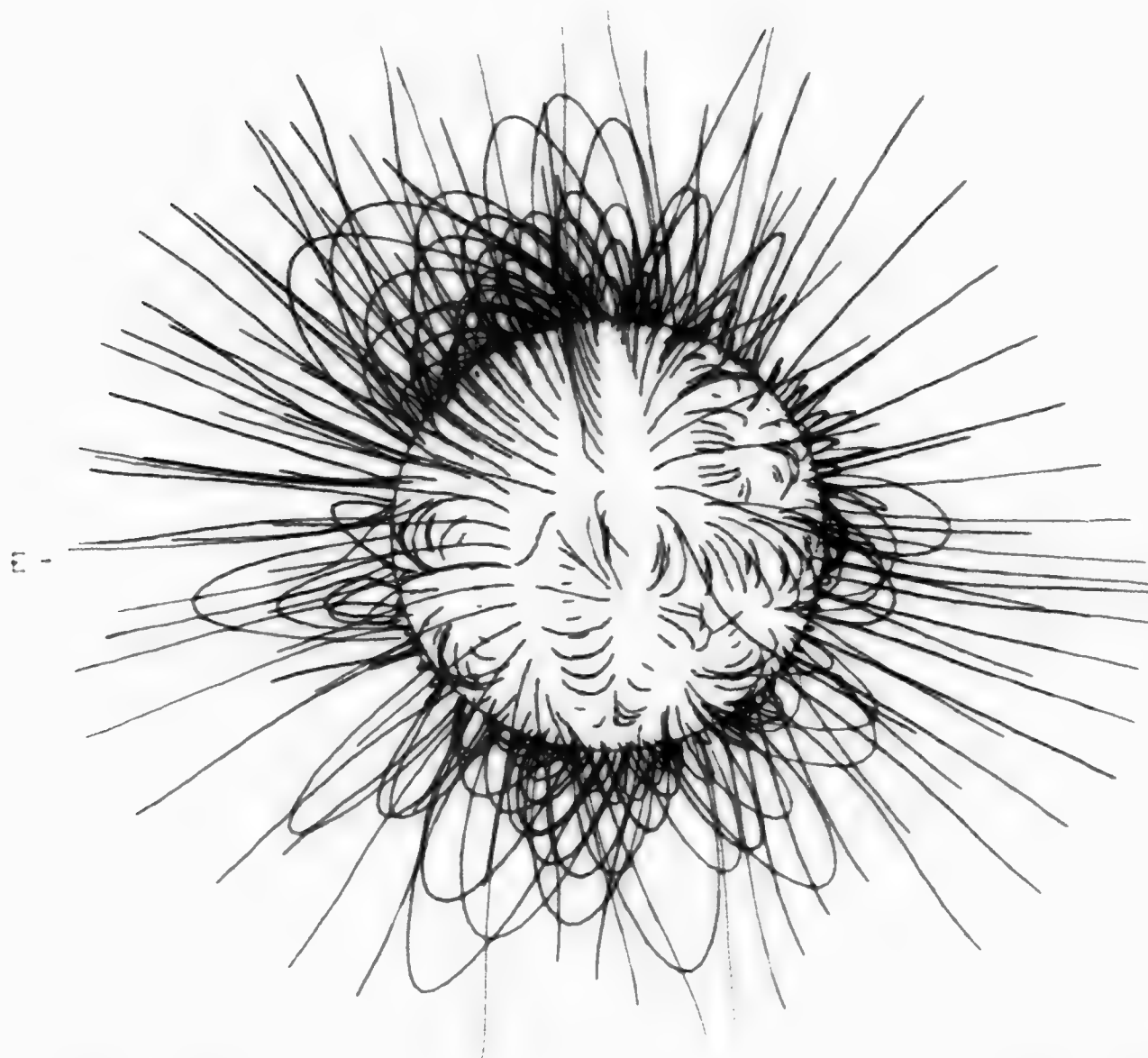
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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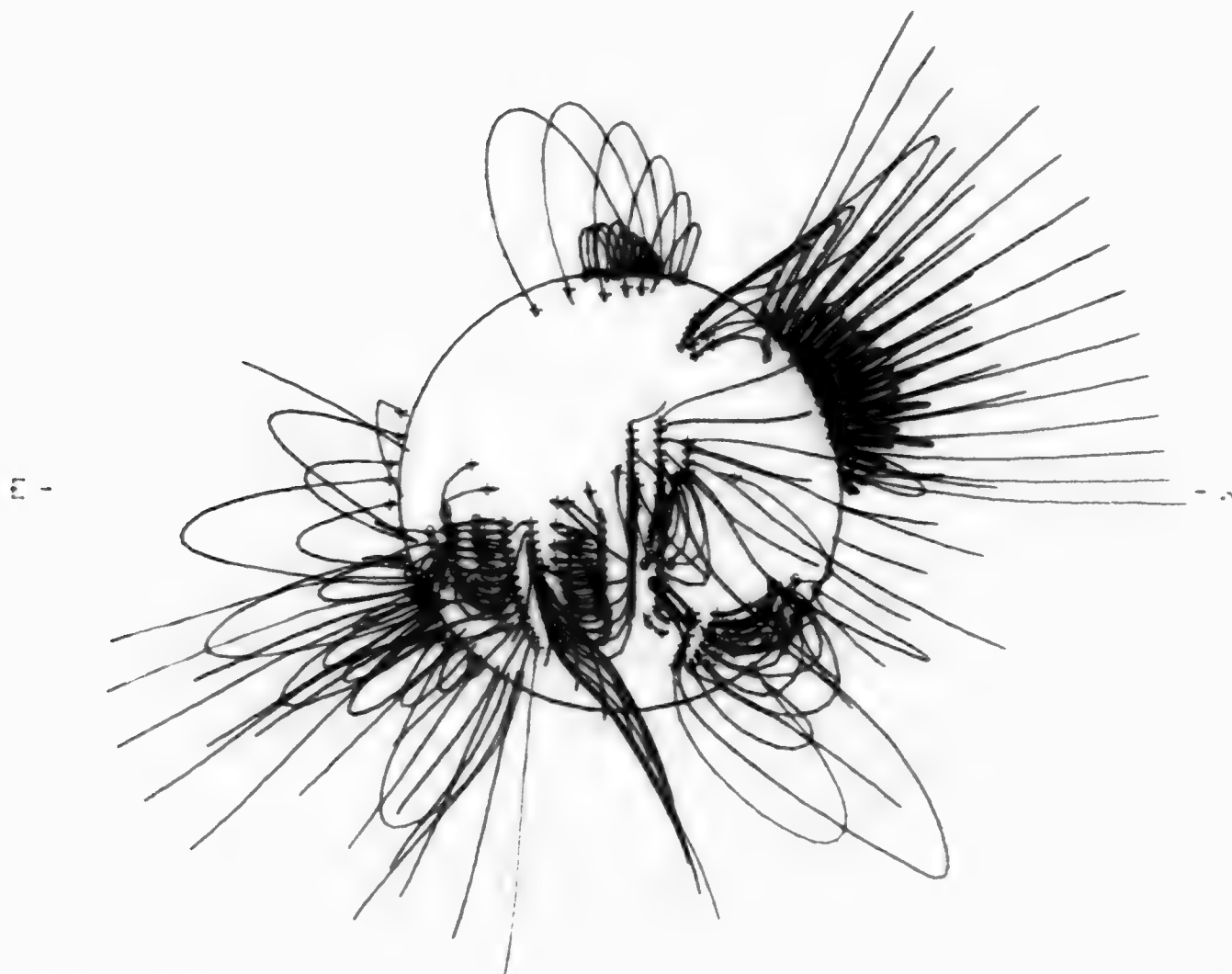
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

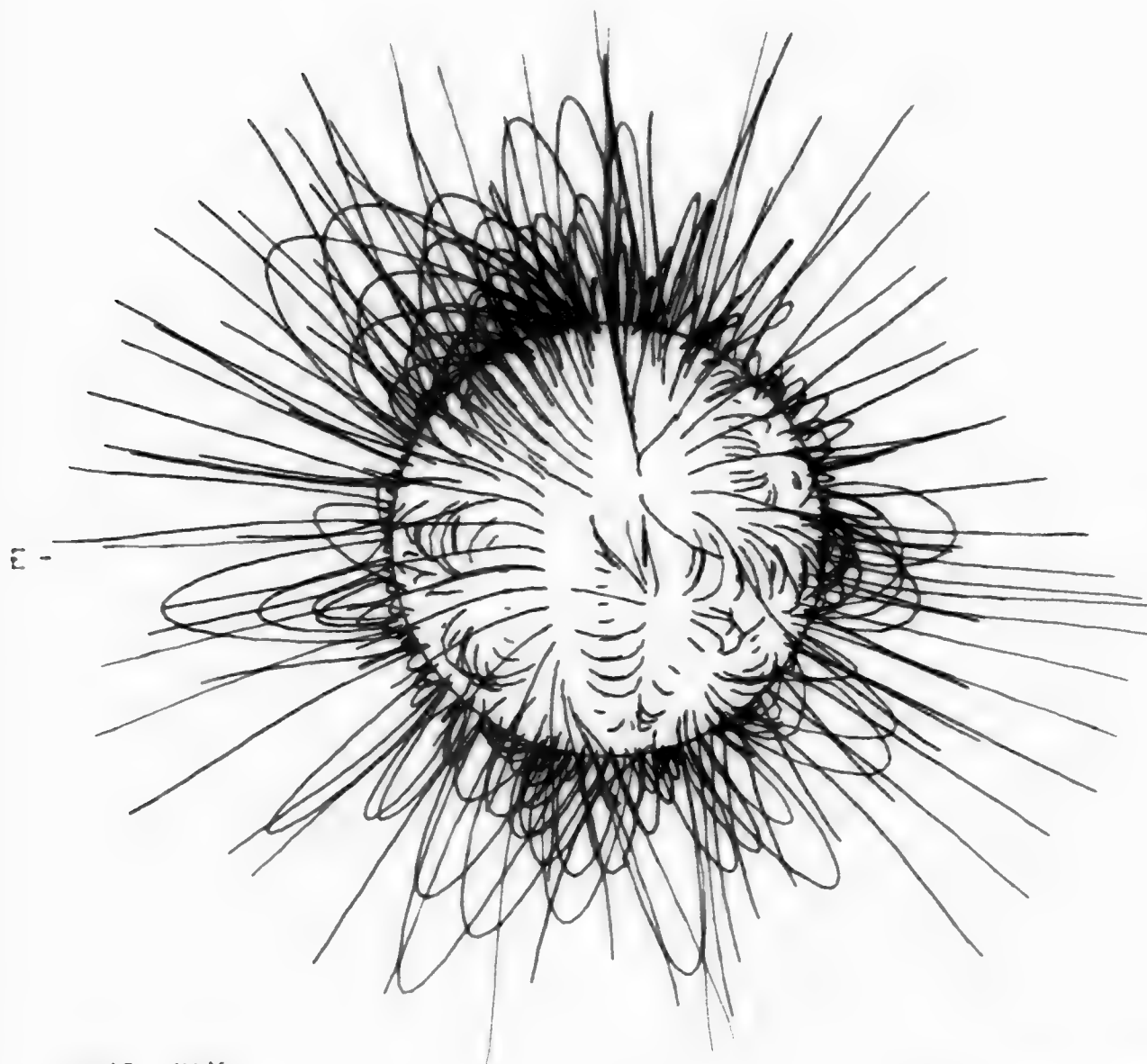
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
PULSAR
DATA

HALE
PULSAR
DATA

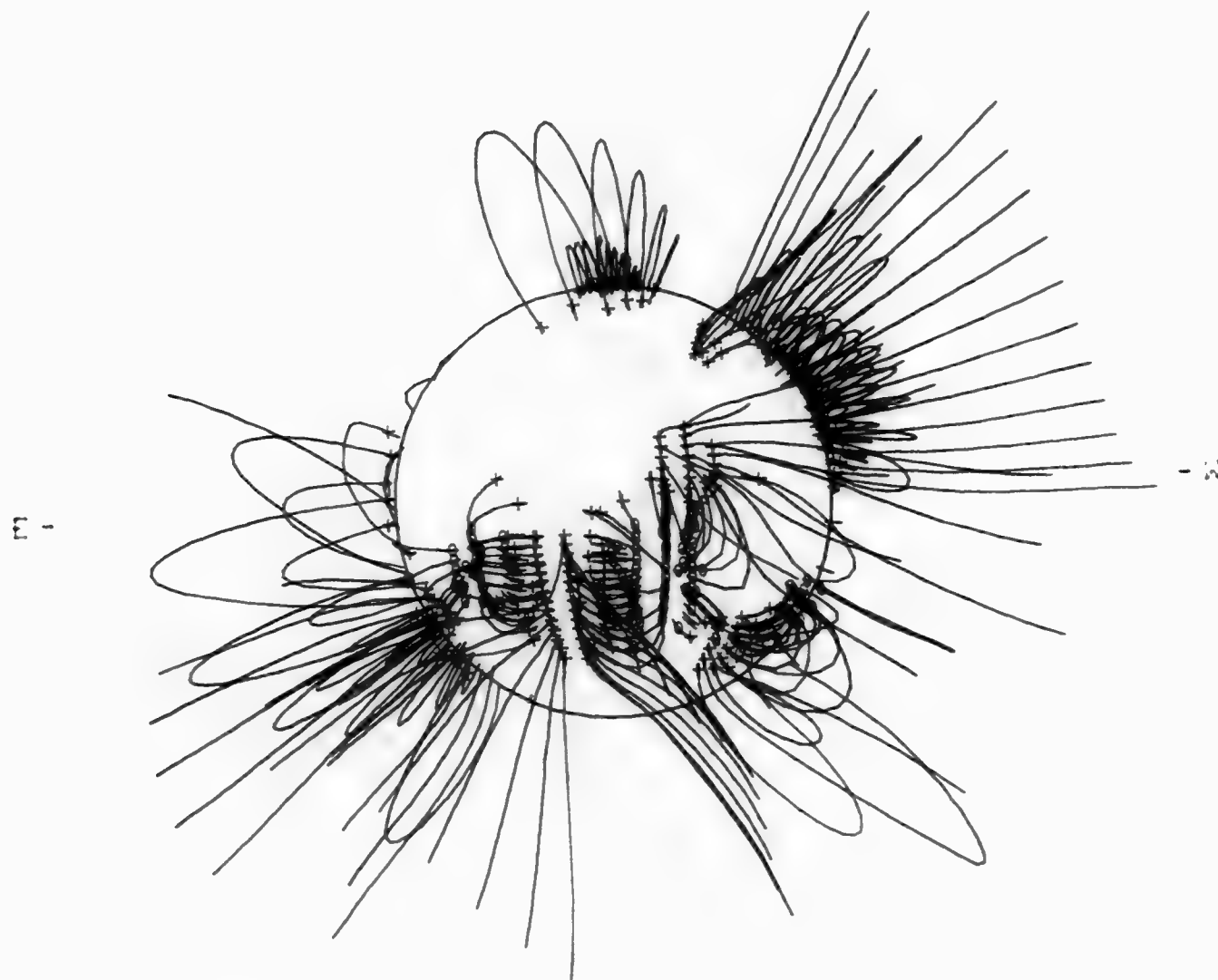
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
 PALES DIRECT
 DATA WIDE IN 1950...

HALE
 PALES DIRECT
 DATA WIDE IN 1950...

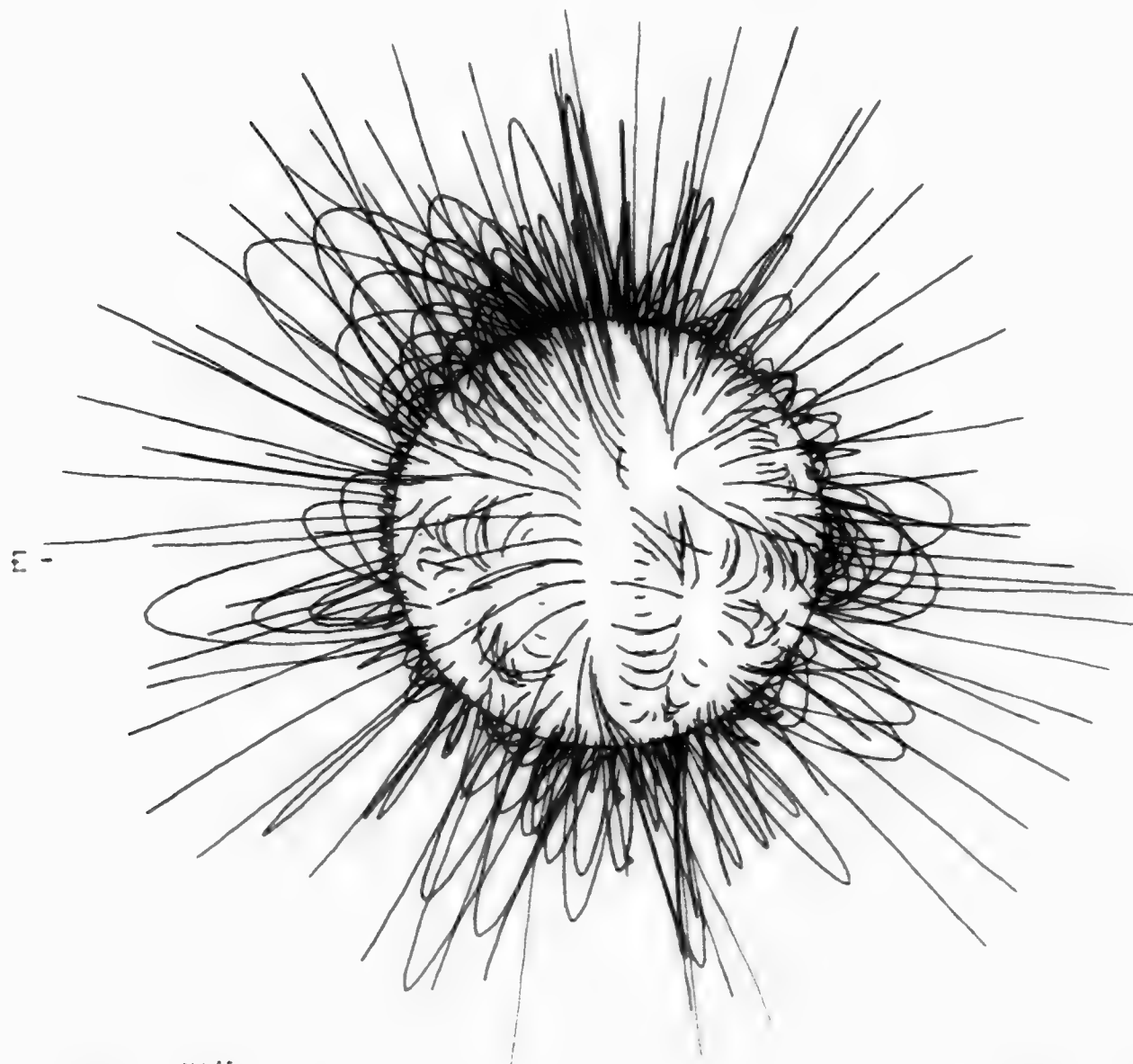
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FILES DIRECT
 DATA AND/OR 1500.00

27.8 DEC 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

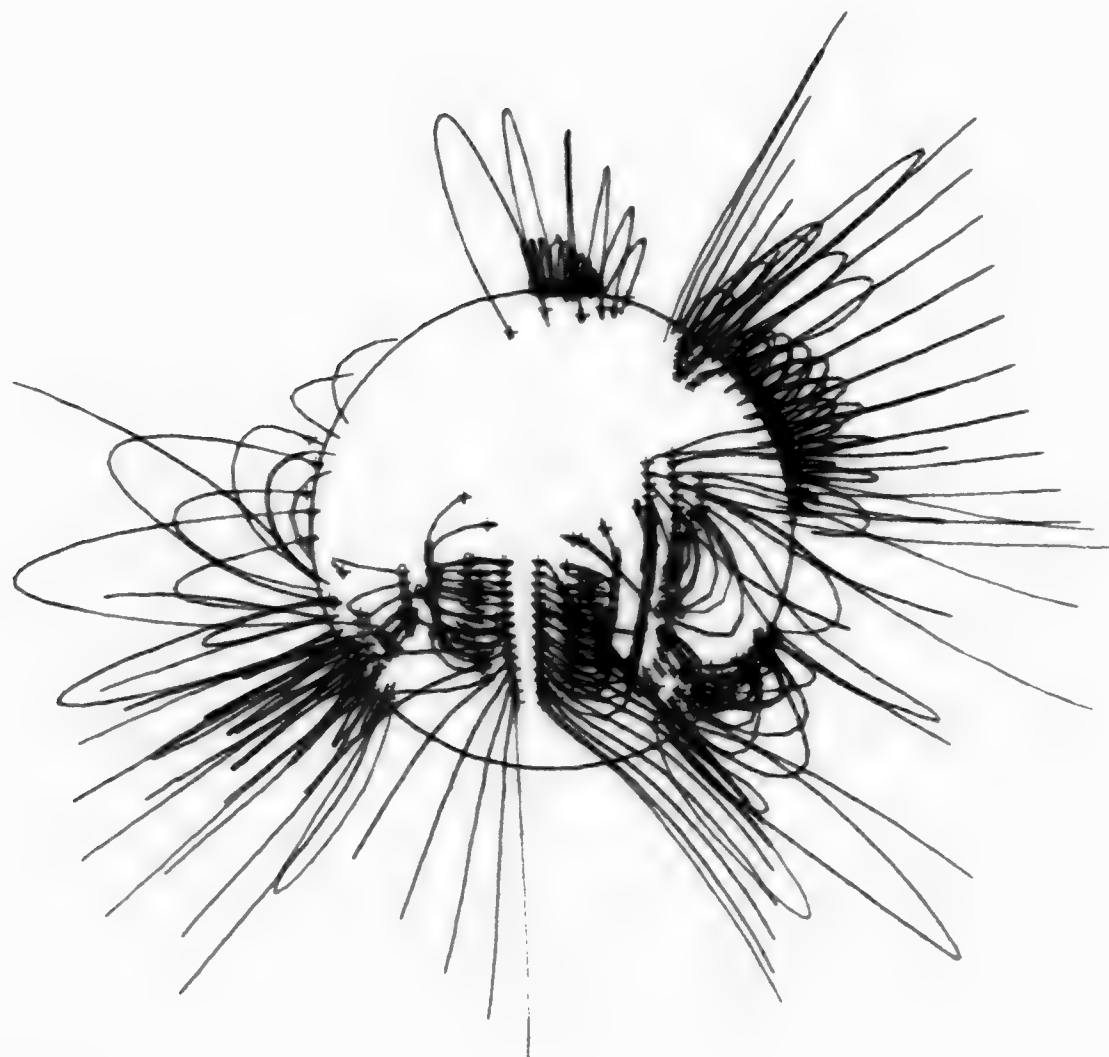


ALTA FAIR
PLES DIRECT
DATA AND IN PROGRESS

ALTA FAIR
PLES DIRECT
DATA AND IN PROGRESS

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

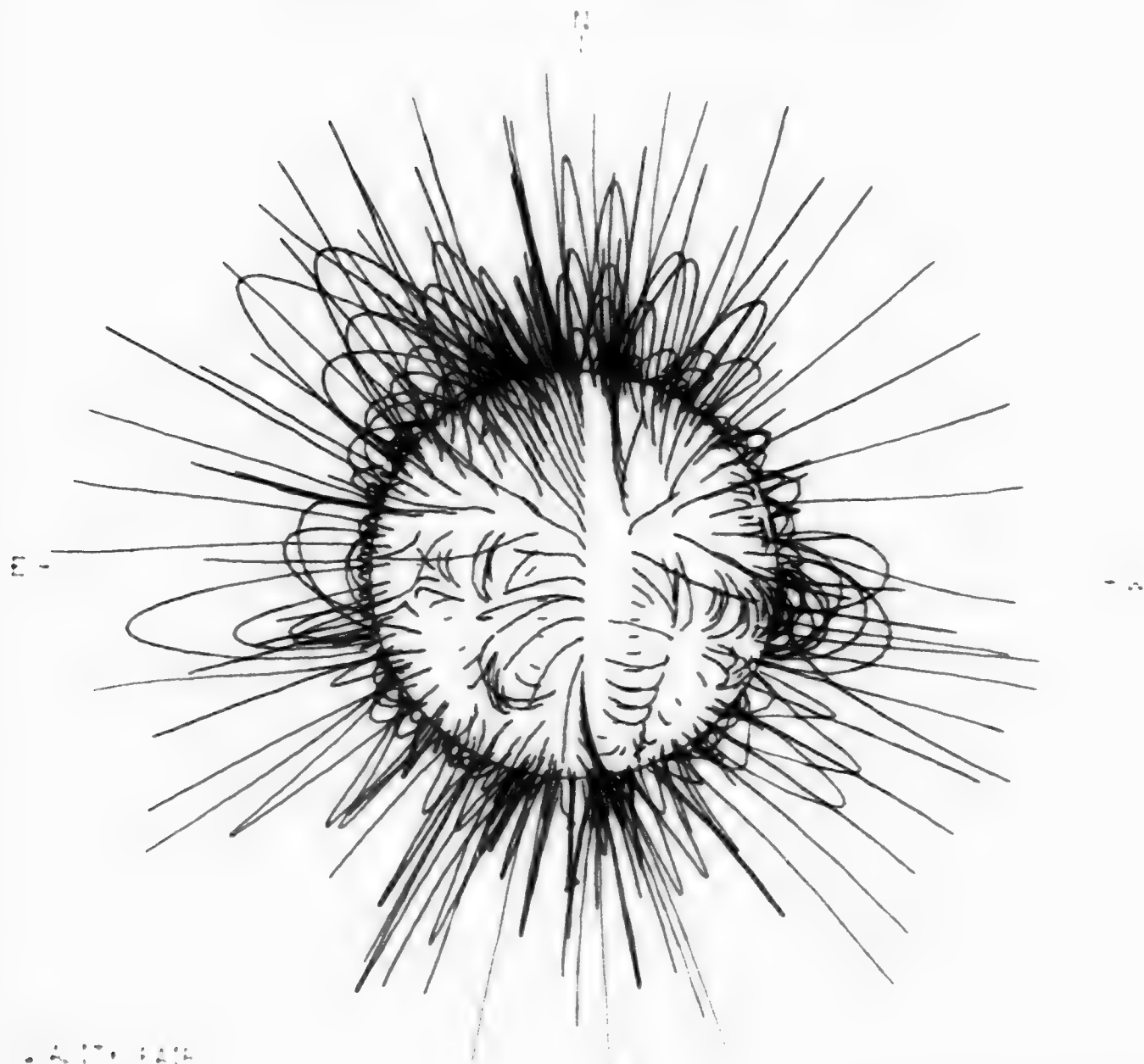
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HALE OBSERVATORY
 1908-1917
 1917-1918

HALE OBSERVATORY
 1918-1919

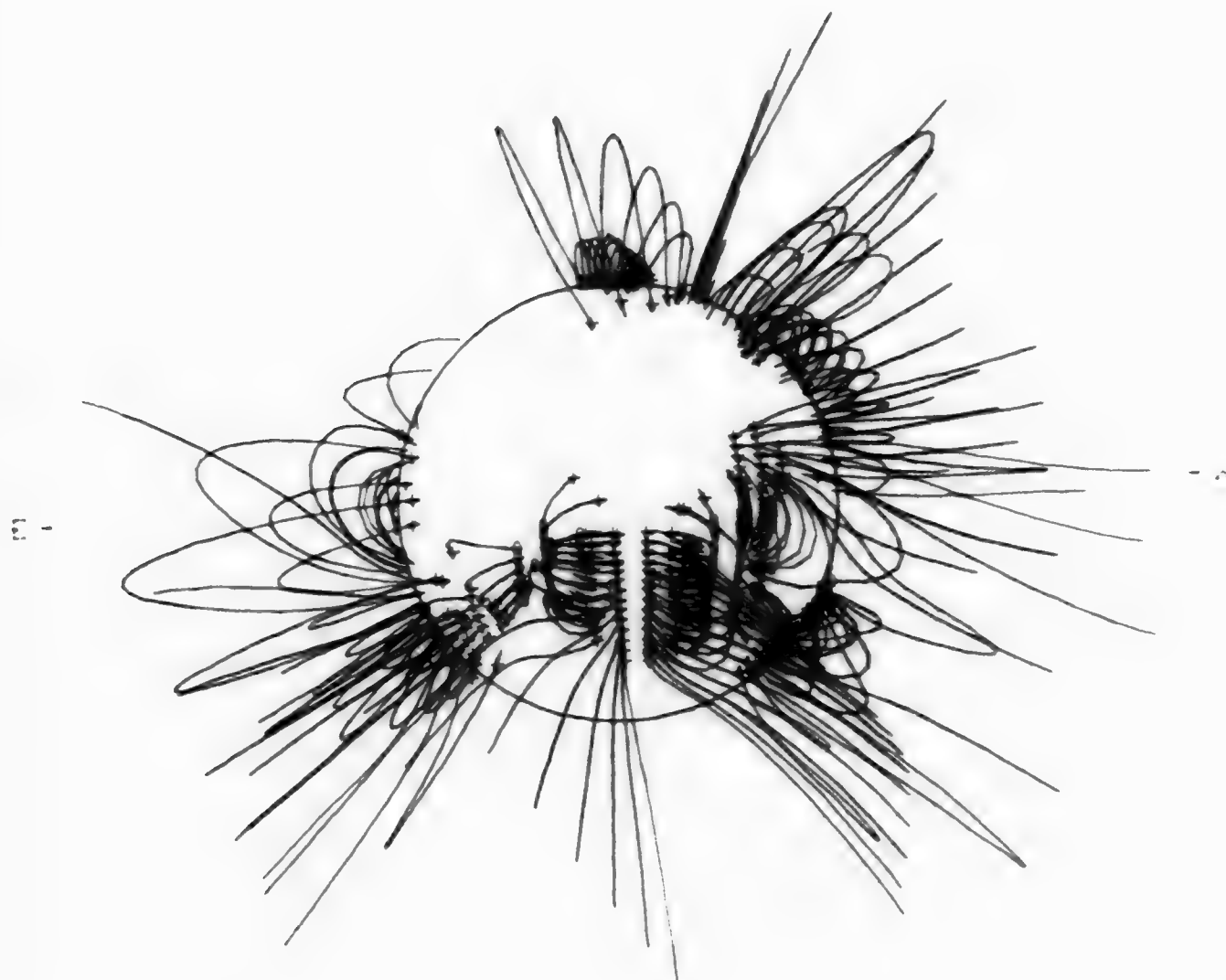
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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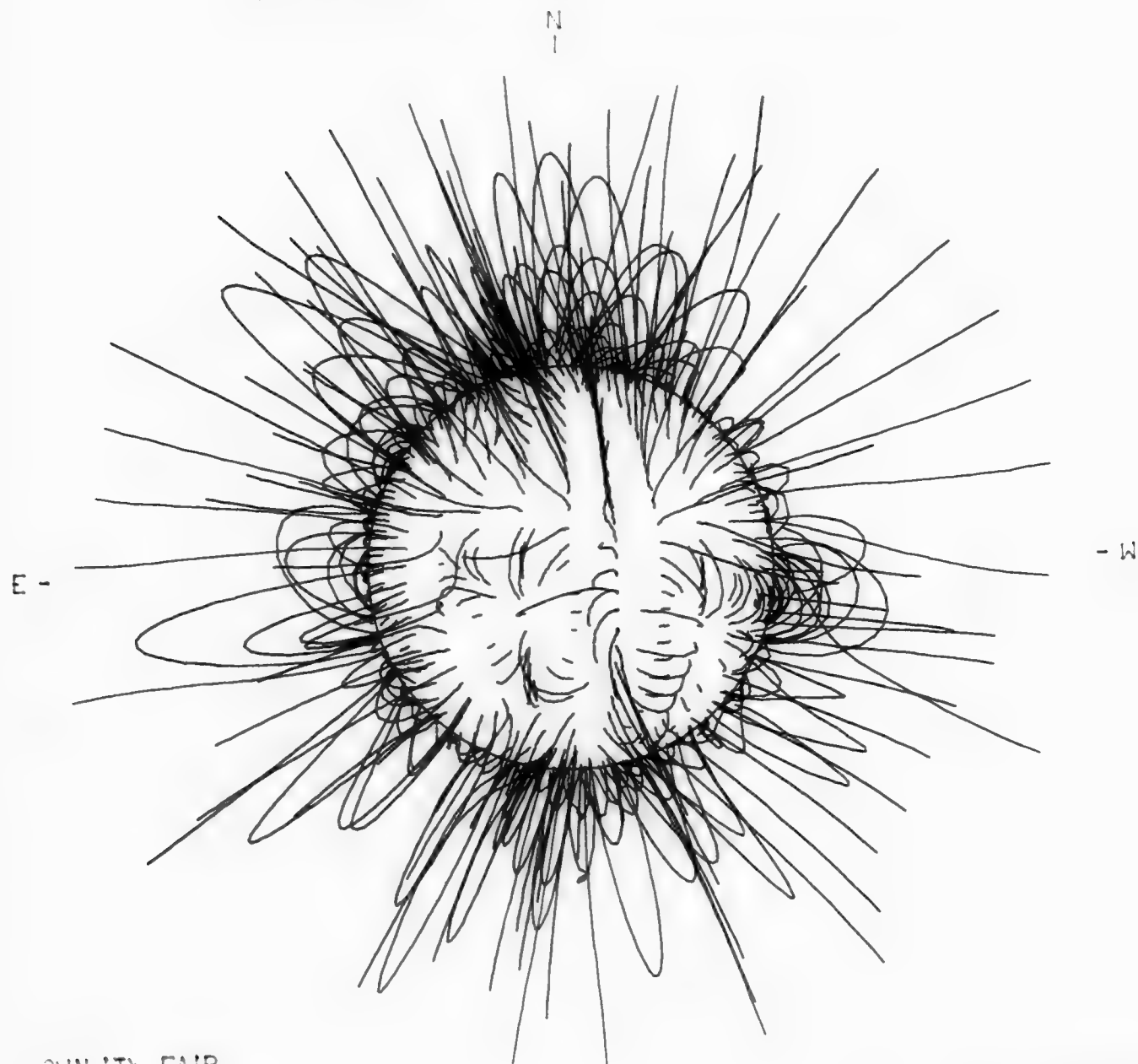
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, PAIR
 SUN, LIFE
 DATA, 1960, 1961, 1962

HALE, 1960, 1961, 1962
 DATA, 1960, 1961, 1962

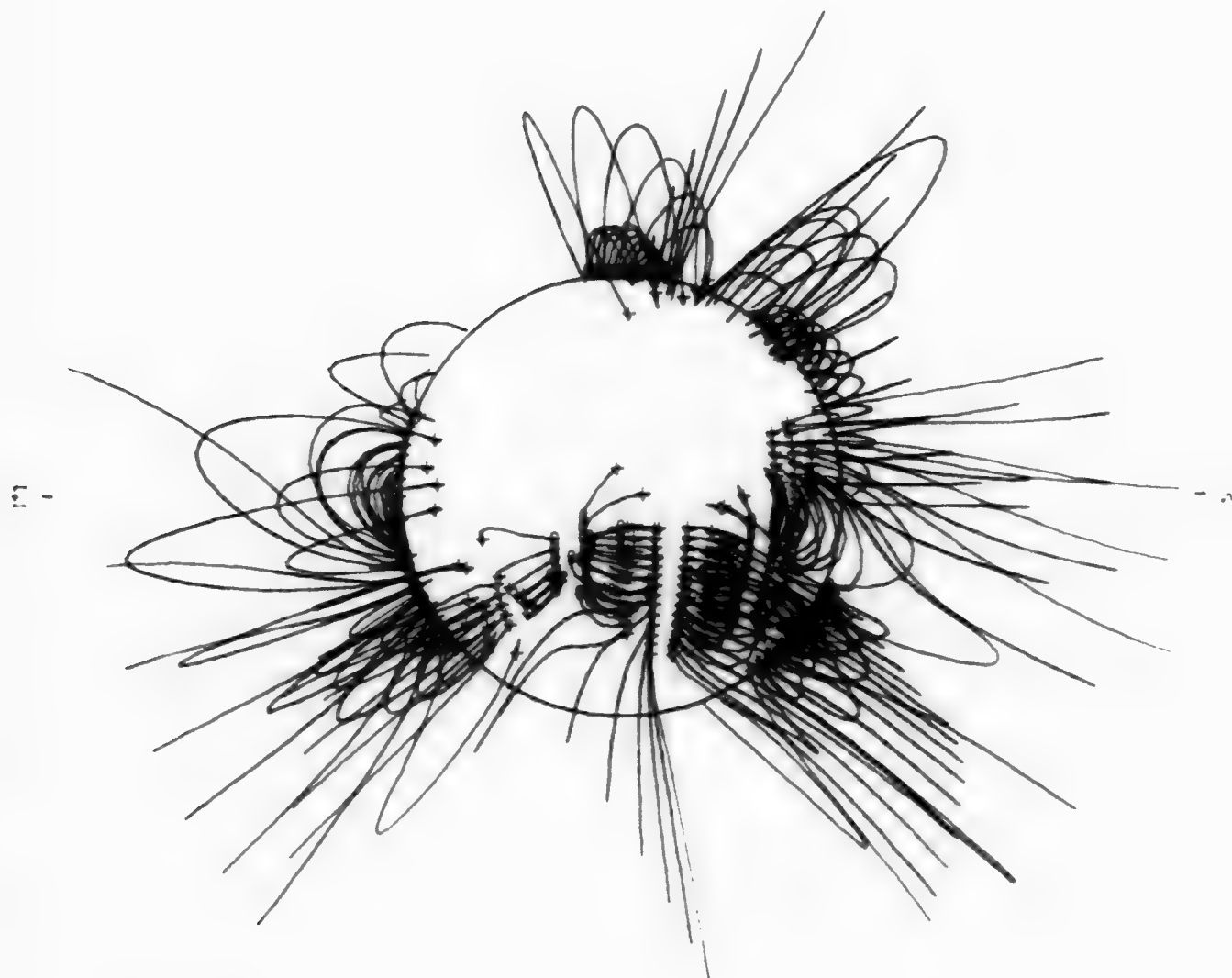
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1529.00

ROT. 1529 LONG. 220°
30.1 DEC 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

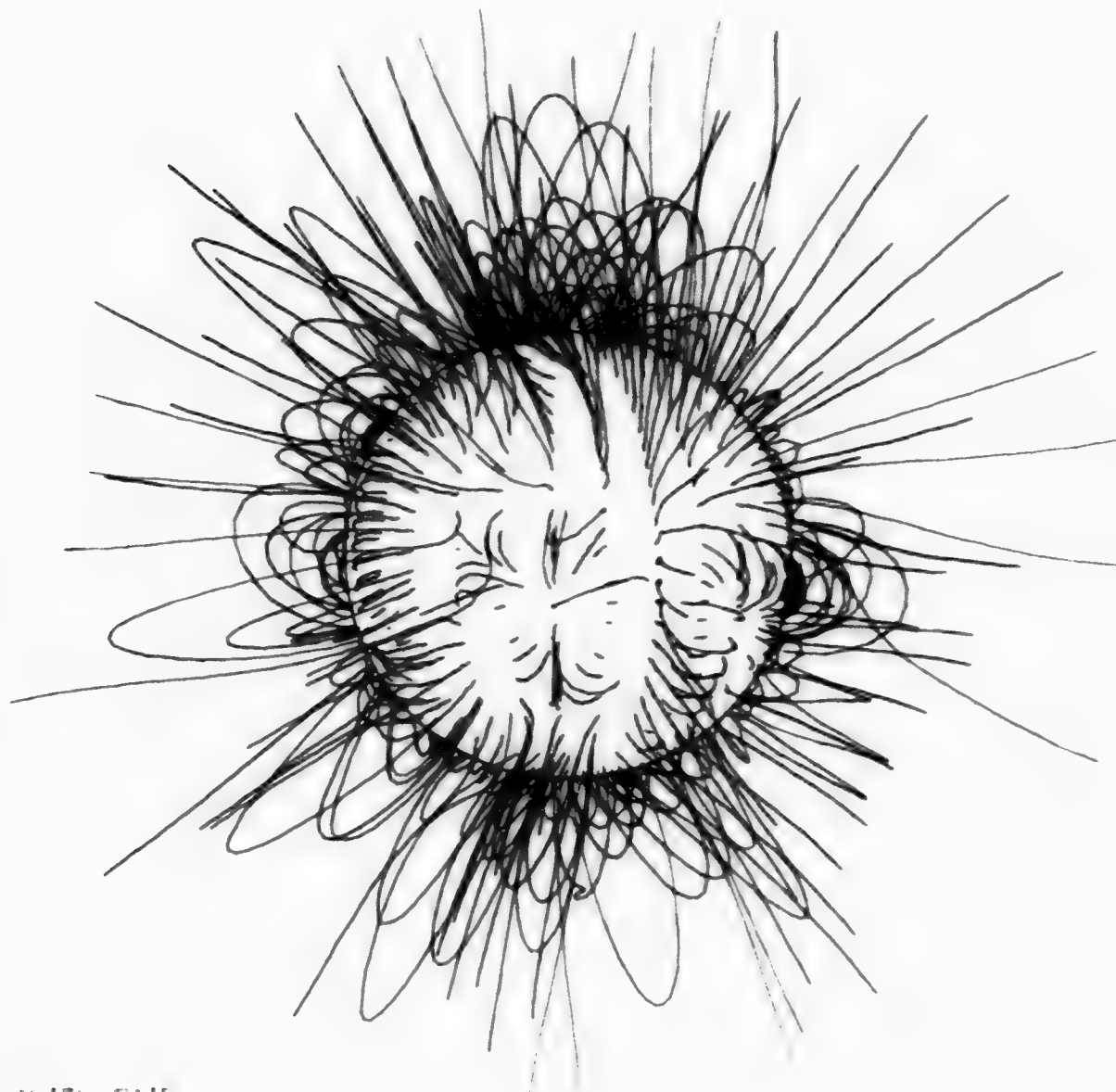
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HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

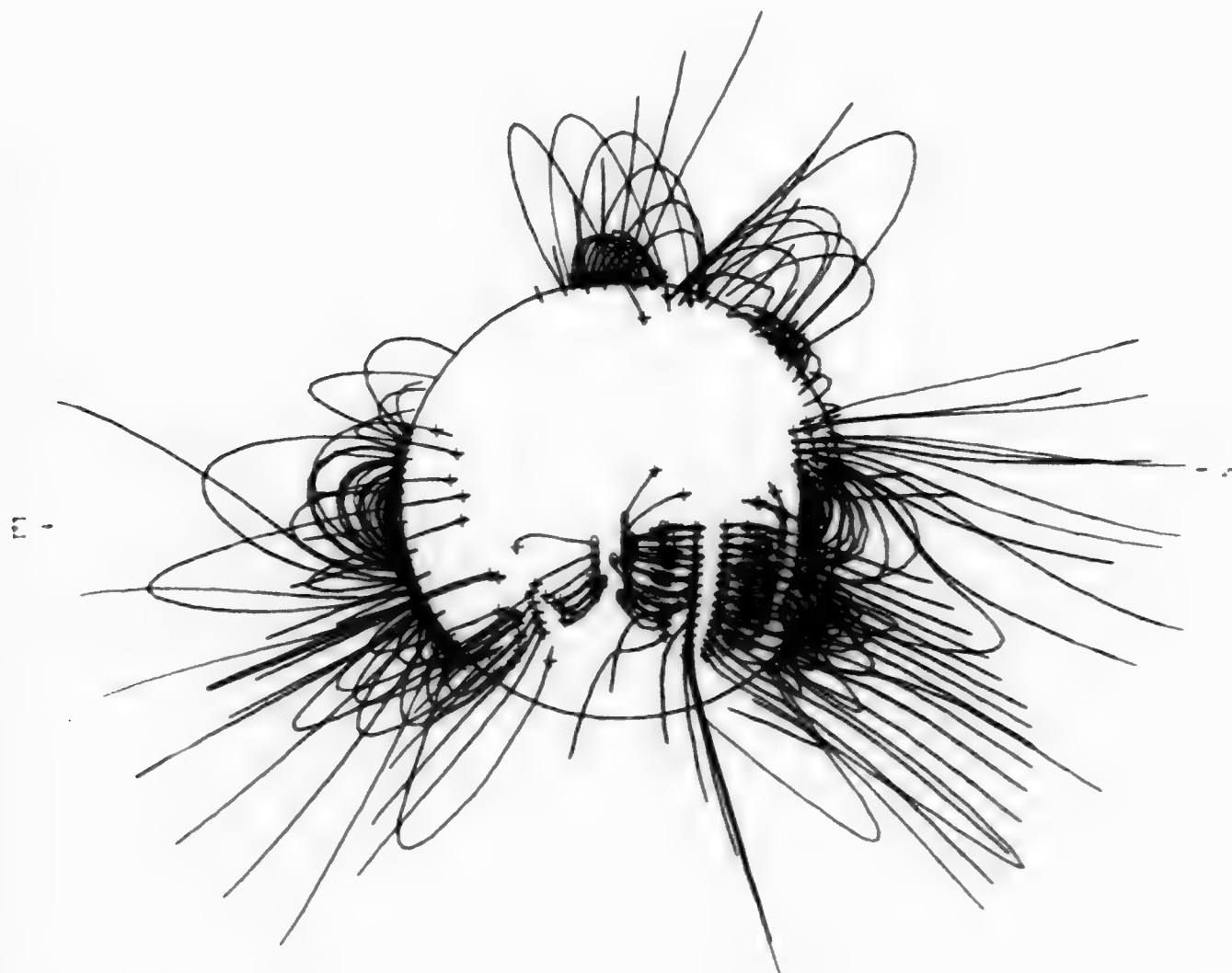
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 PUES DIRE
 DATE AND TIME

DATE AND TIME
 DATE AND TIME

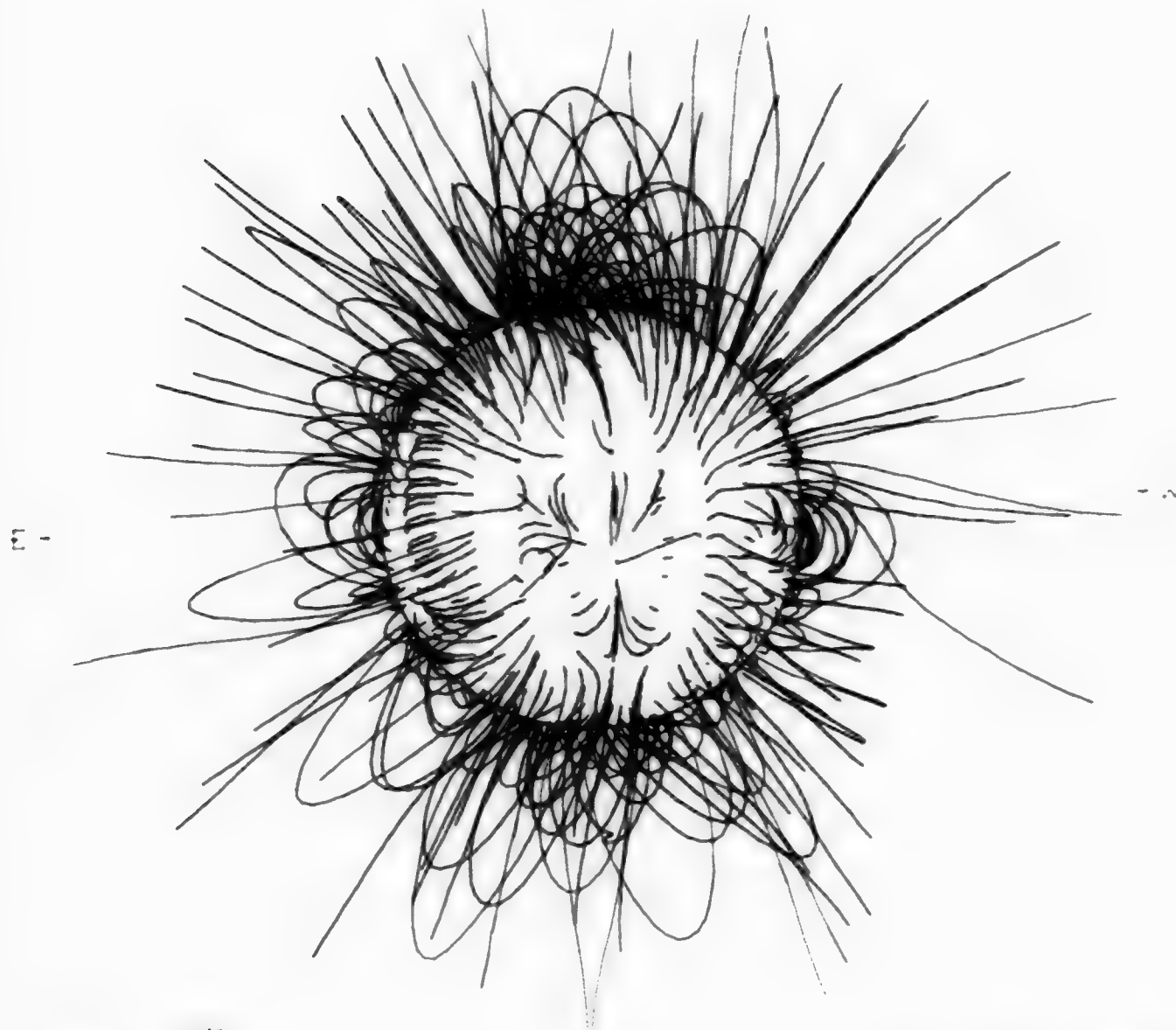
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR WIND
DATA FROM 1960-1961

HALE OBSERVATORY
SOLAR WIND
DATA FROM 1960-1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

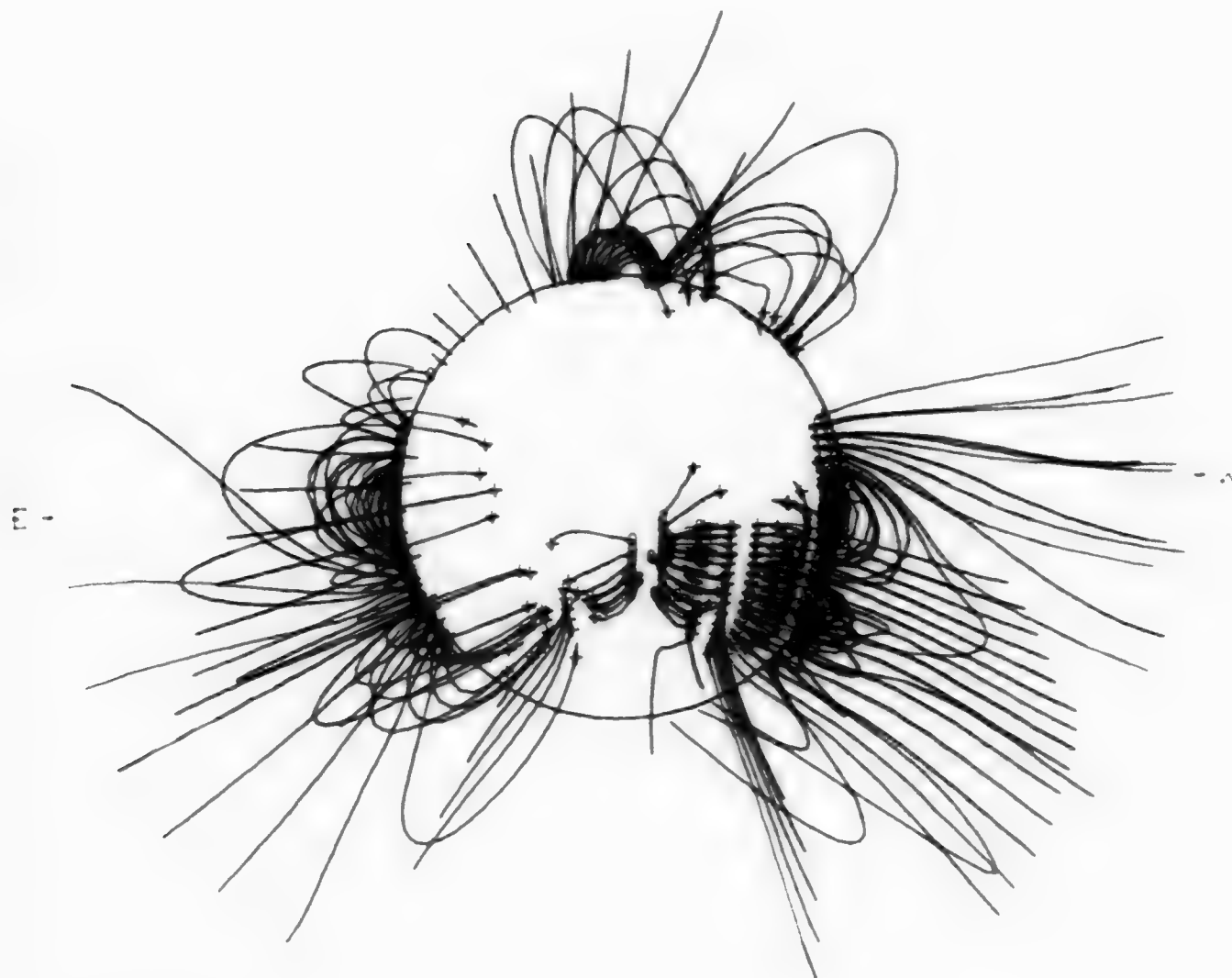


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HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

HALE OBSERVATORY
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HALE OBSERVATORY

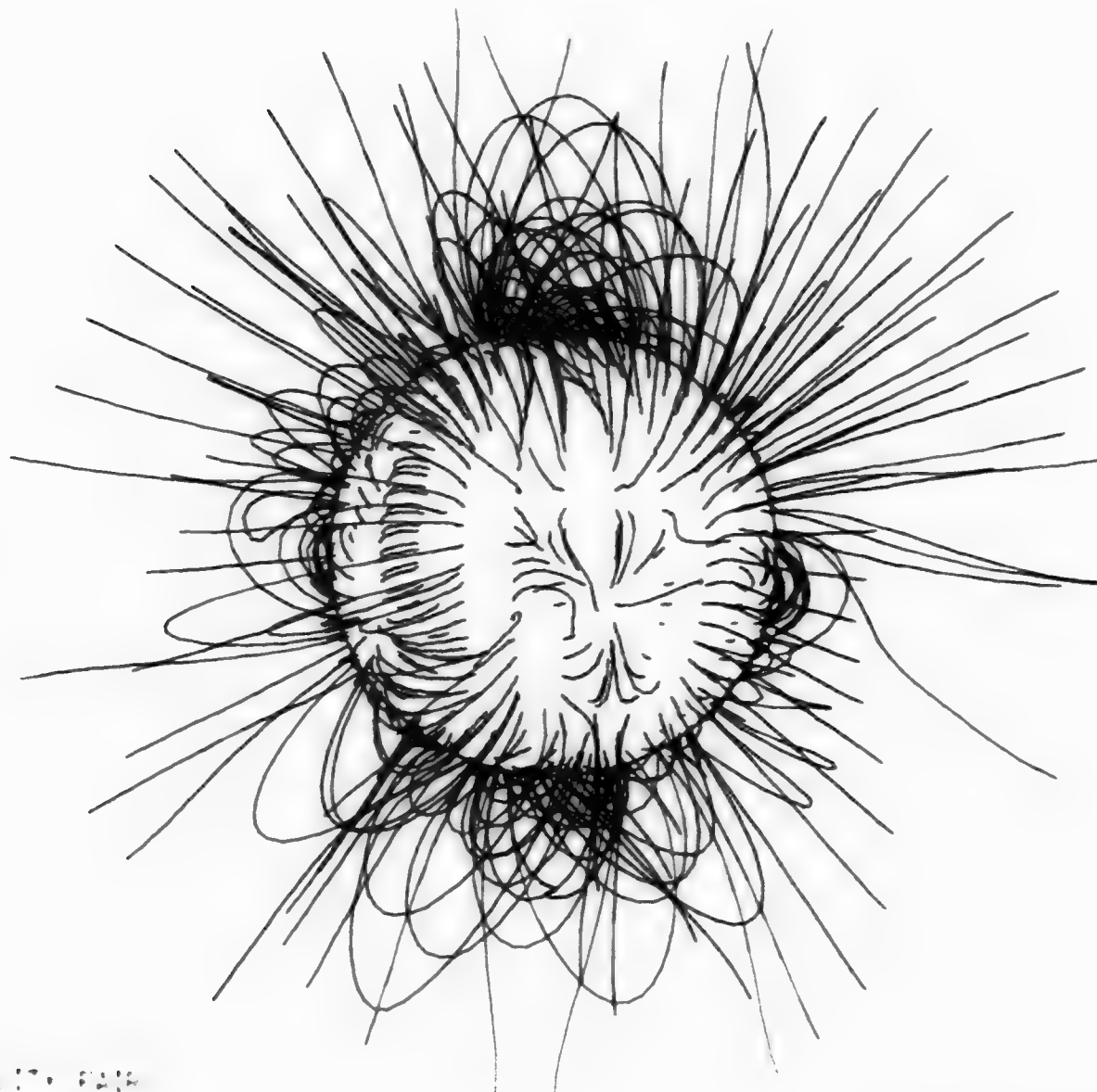
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



1. A 170 FAIR
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 DATA WITHIN 100000

2. 170 FAIR
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 DATA WITHIN 100000

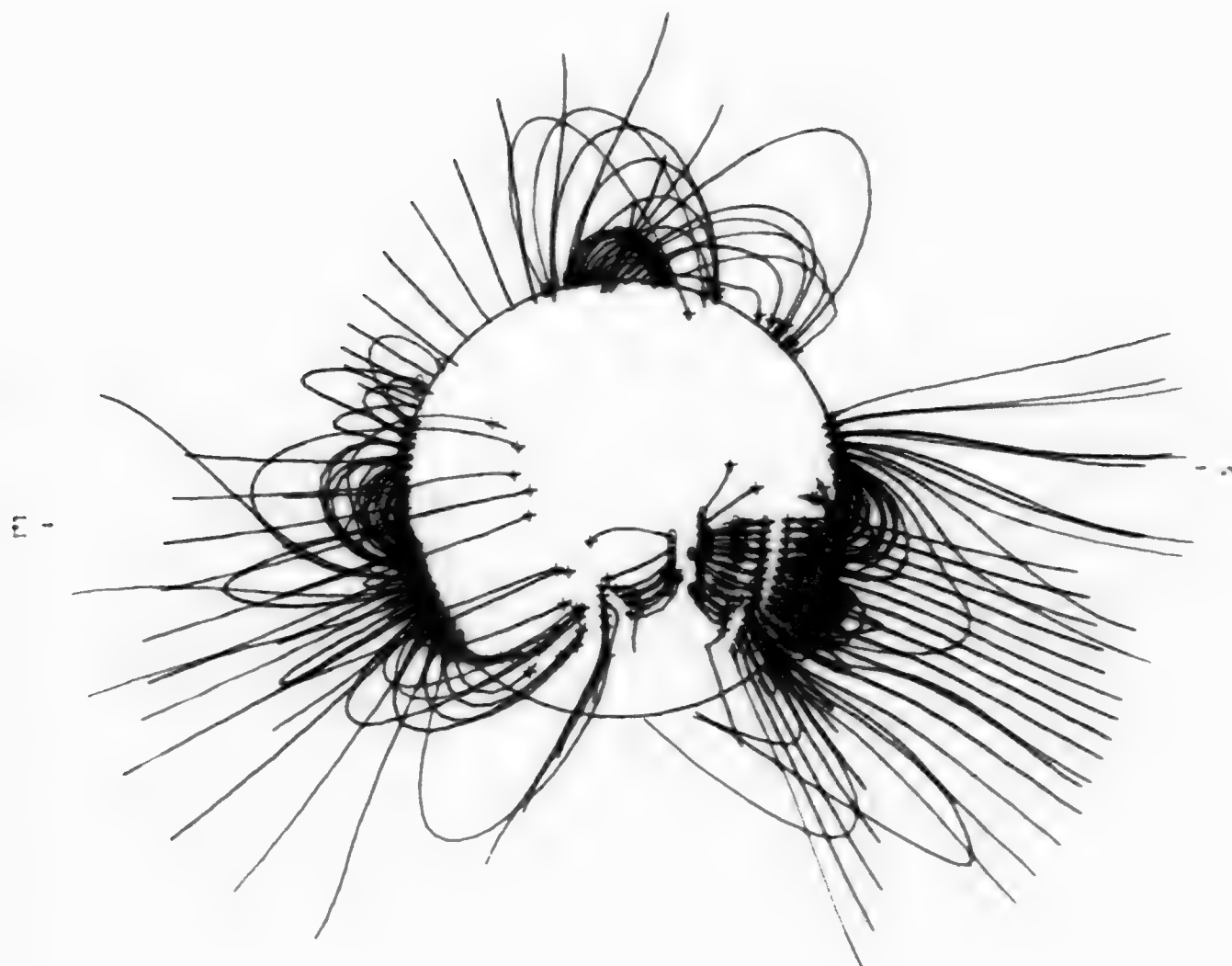
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORY
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HAILE OBSERVATORY
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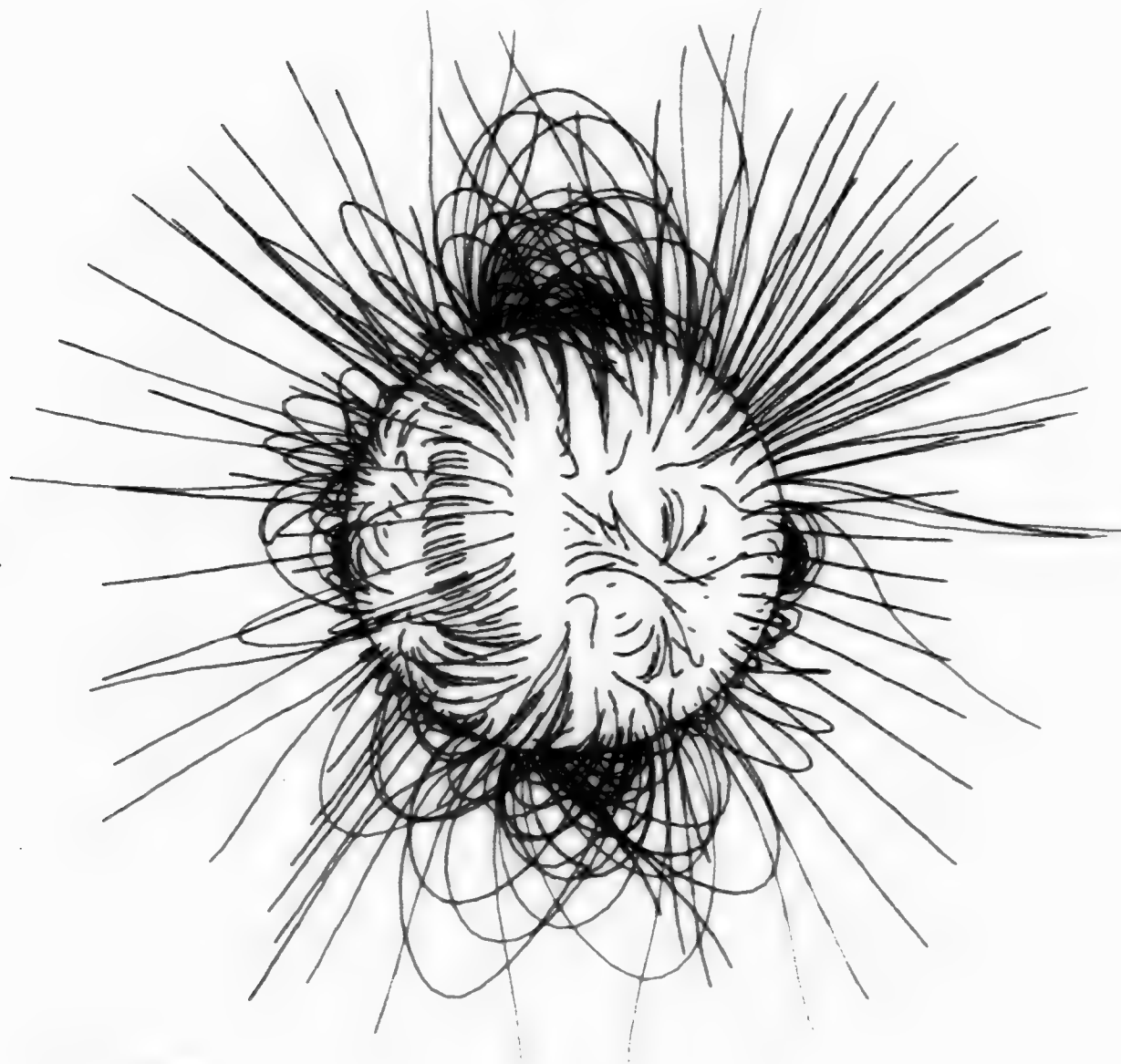
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA PAIR
 PLAS DIRECT
 DATA LINE IN THE 1950

ALPHA PAIR
 PLAS DIRECT
 DATA LINE IN THE 1950

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

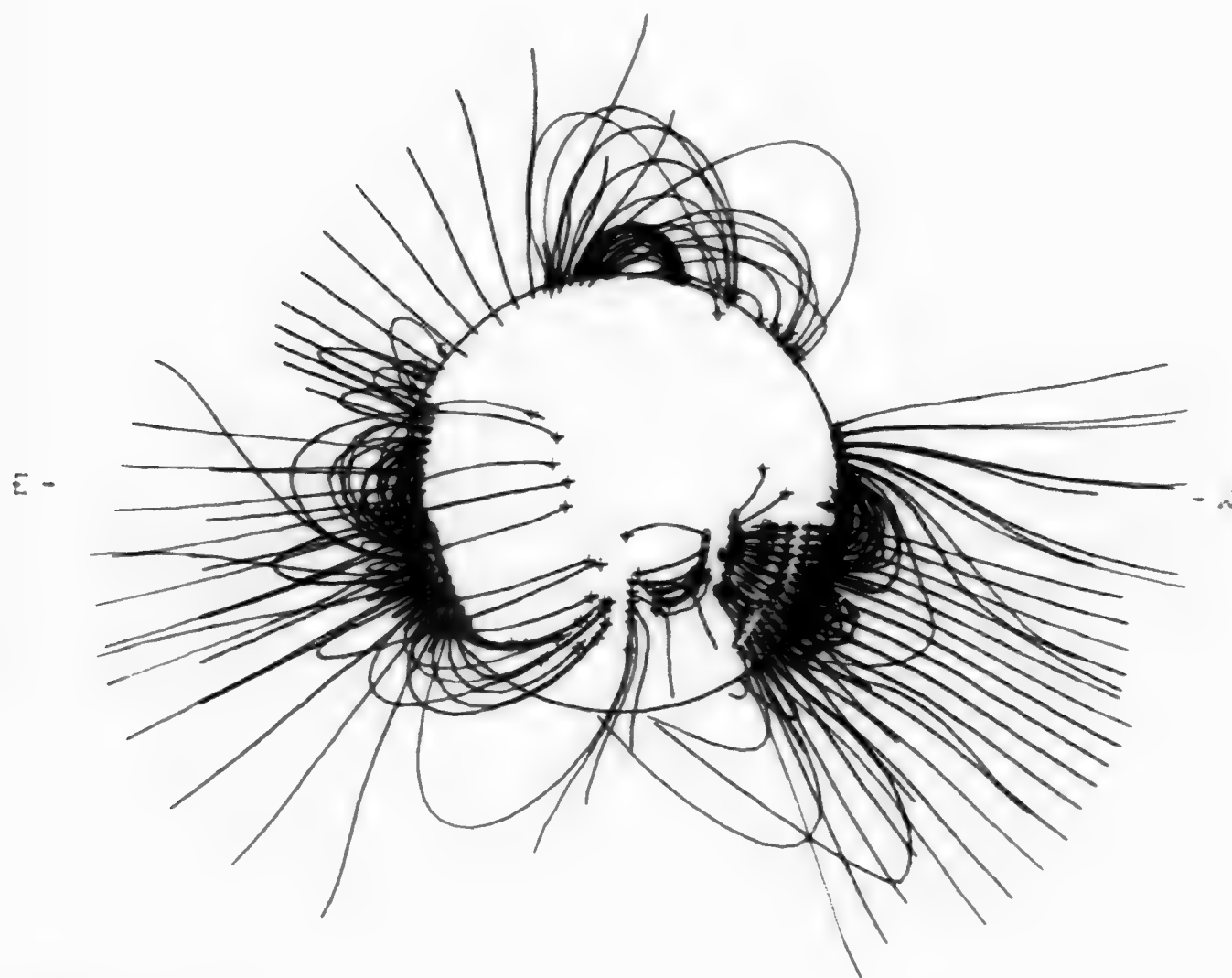


HALE, PAIR
HALE, PAIR
HALE, PAIR

HALE, PAIR
HALE, PAIR
HALE, PAIR

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11



1. 10. 1974

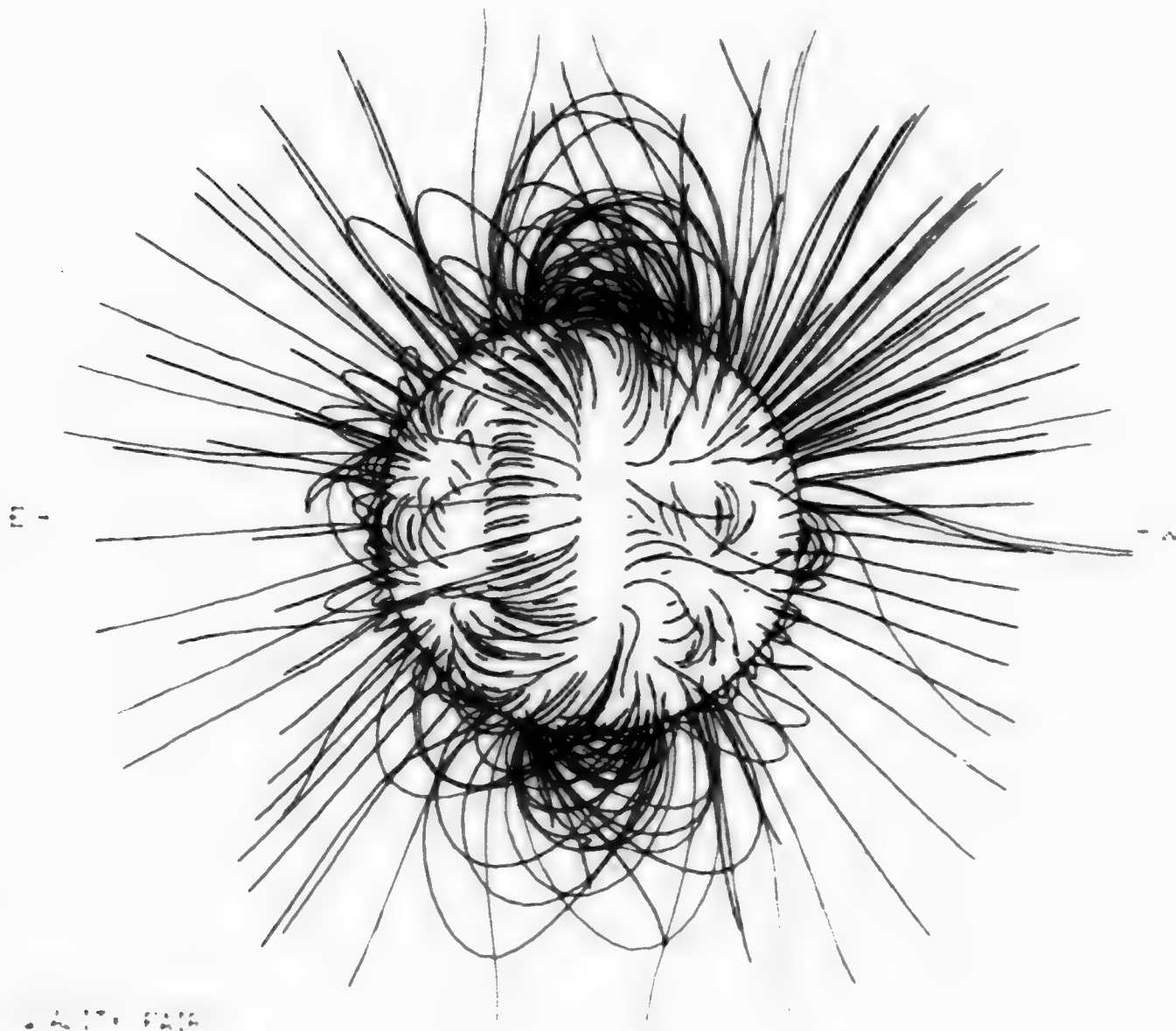
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3. 10. 1974

4. 10. 1974

5. 10. 1974

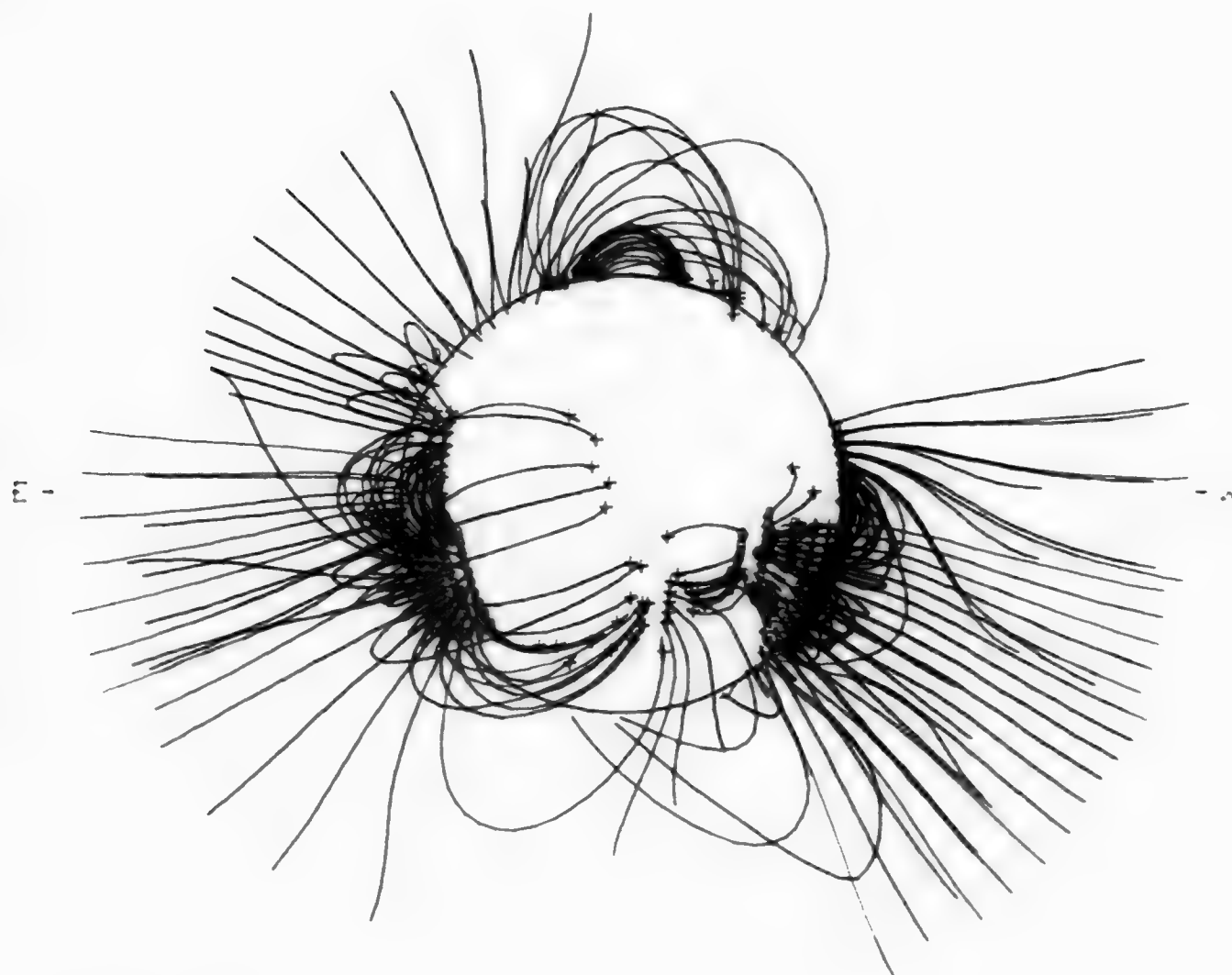
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALICE PAIR
FILED COPY
DATA AND/OR INFO

ALICE PAIR
FILED COPY
DATA AND/OR INFO

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

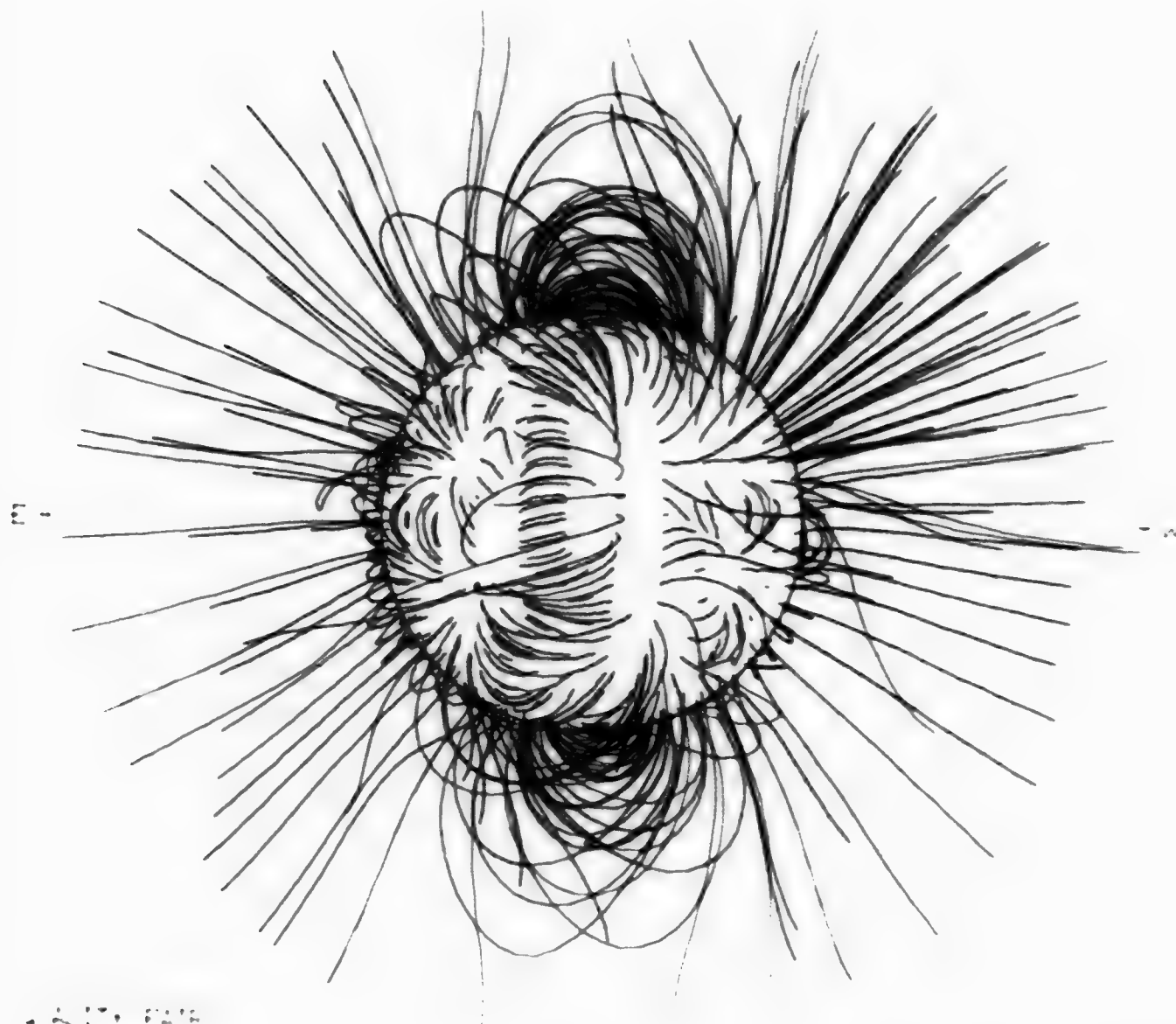


HALE OBSERVATORY
 HALE OBSERVATORY
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HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

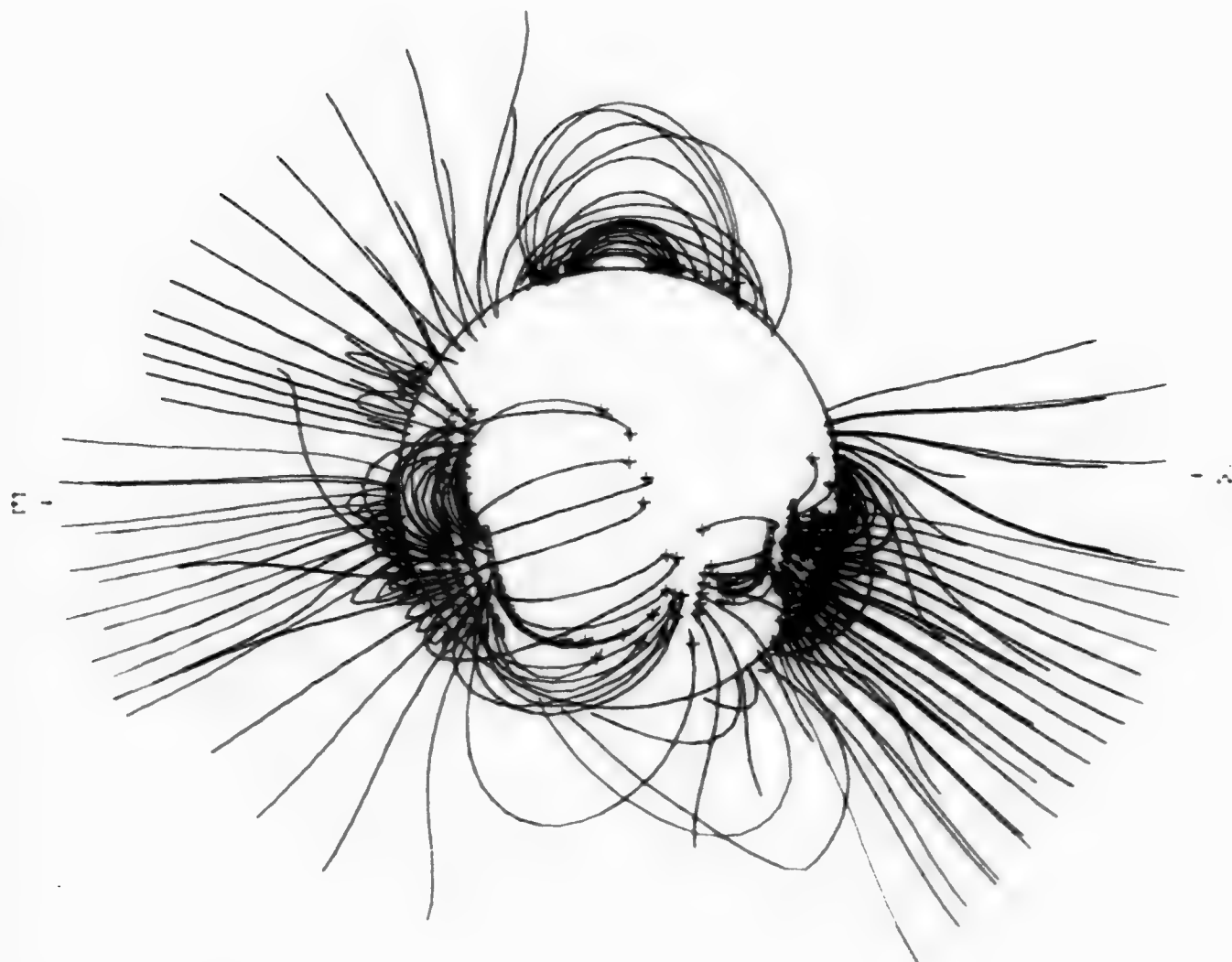
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HALE
HALE
HALE

HALE
HALE
HALE

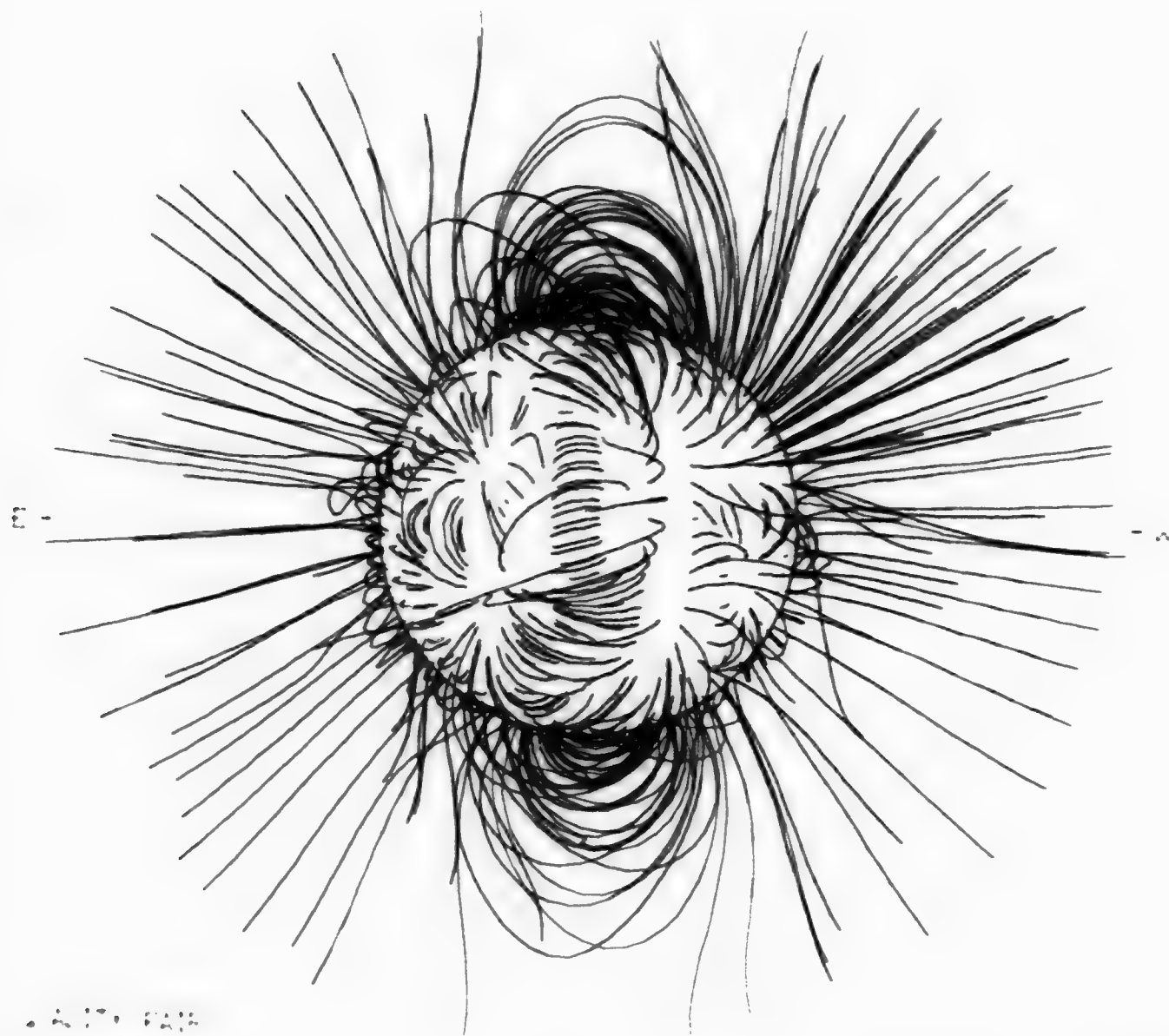
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

HALE OBSERVATORY
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HALE OBSERVATORY

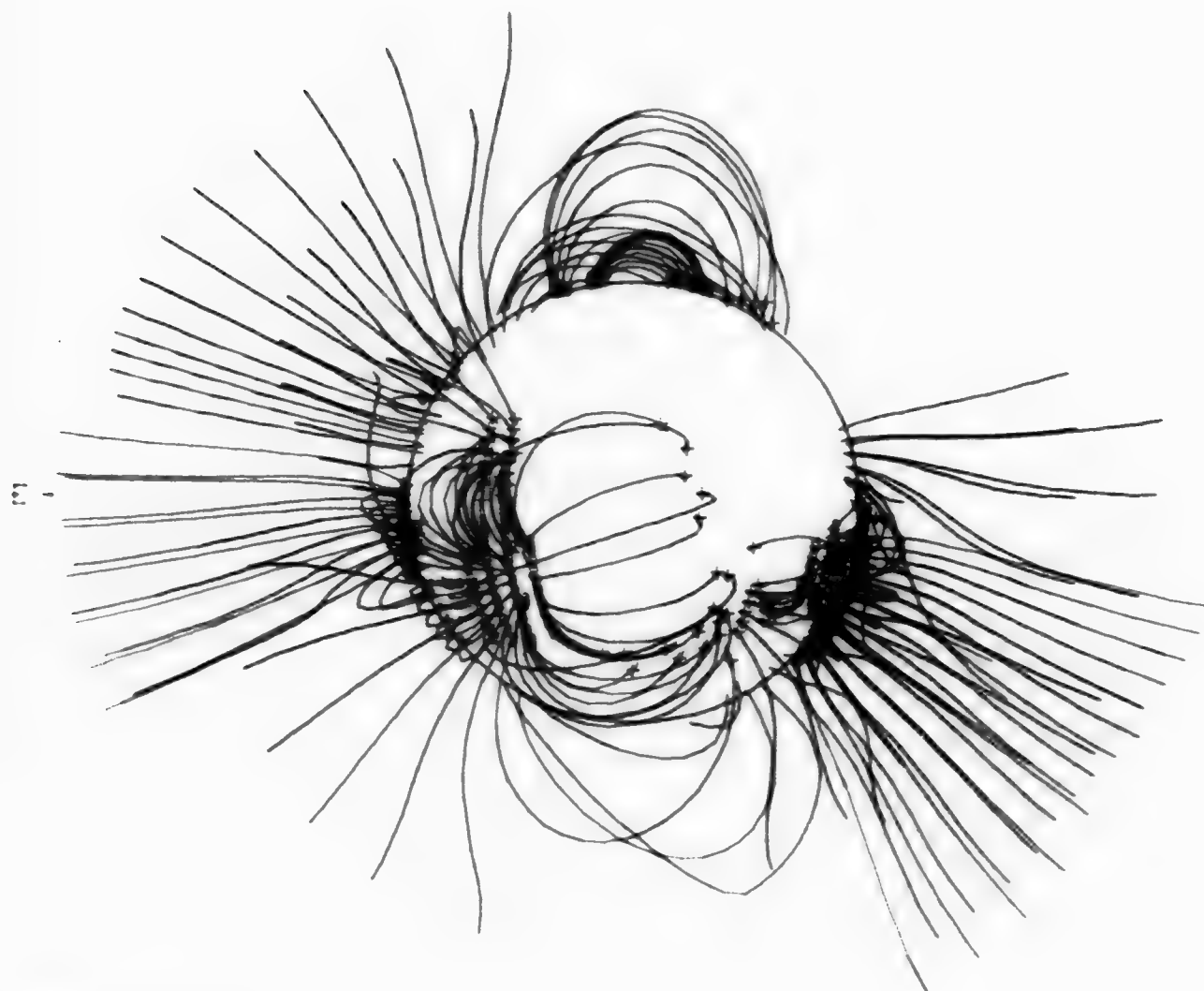
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1917
 DATA FROM 1908-1917

HALE OBSERVATORY
 1908-1917
 DATA FROM 1908-1917

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

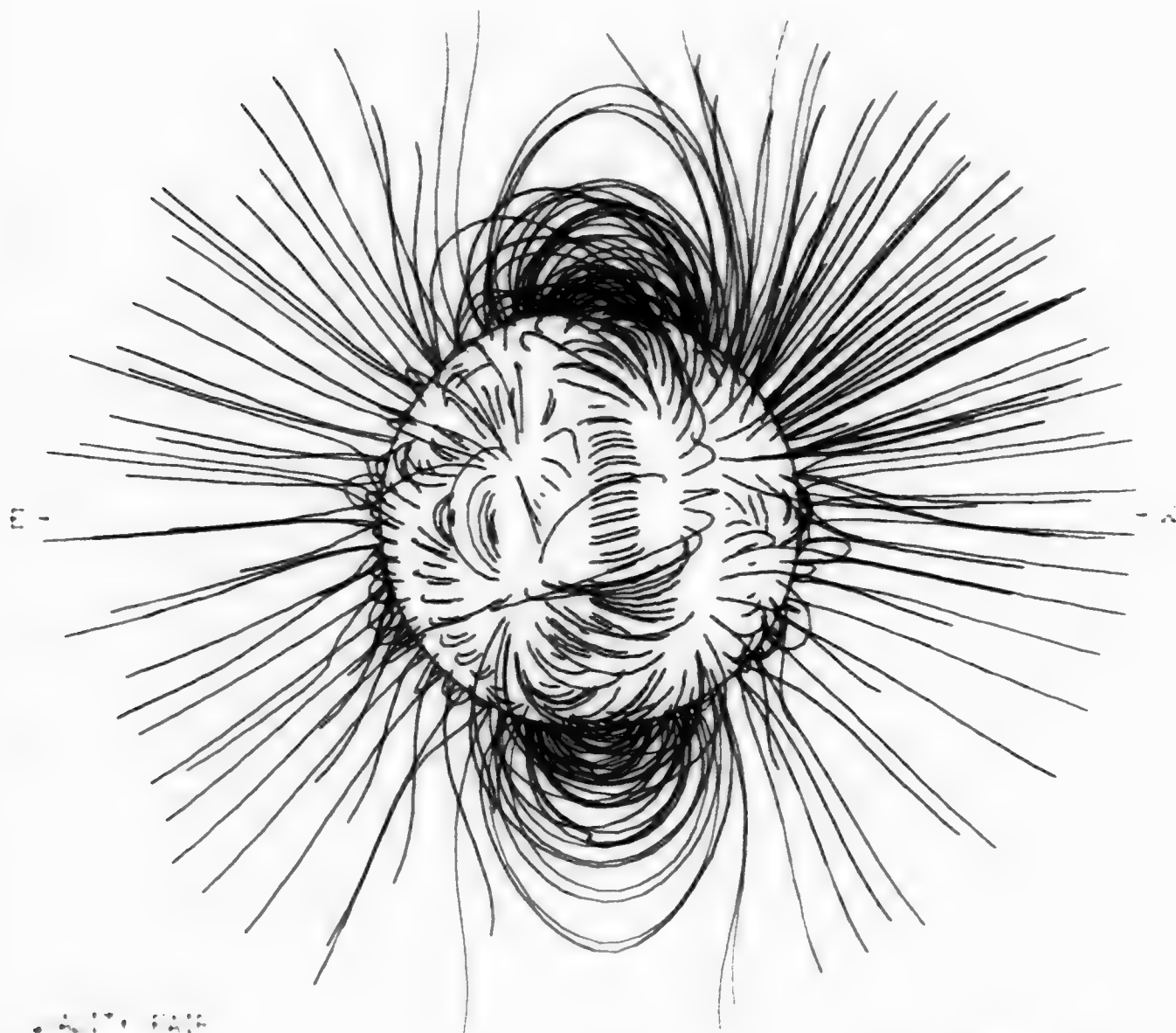
HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

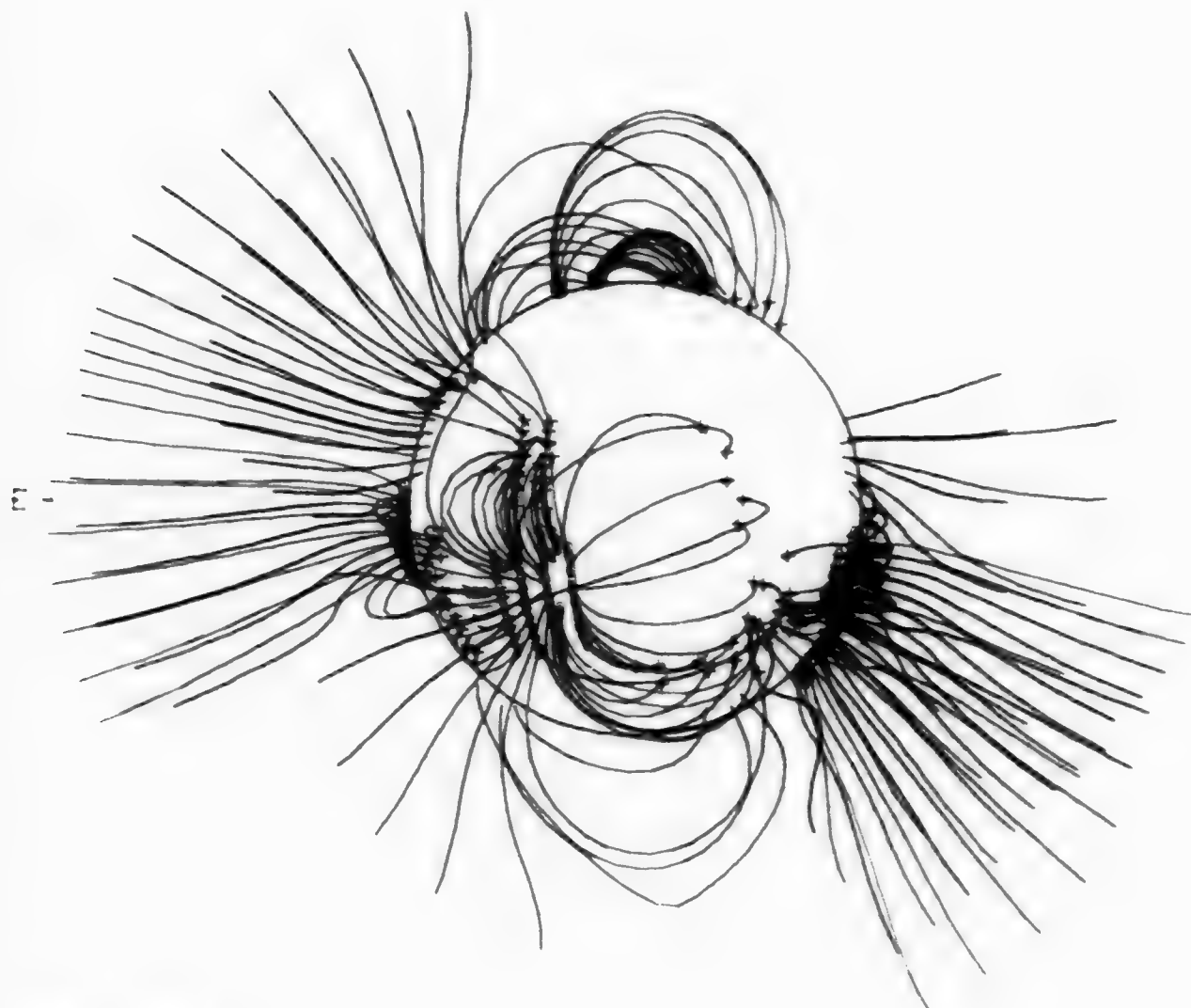
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES

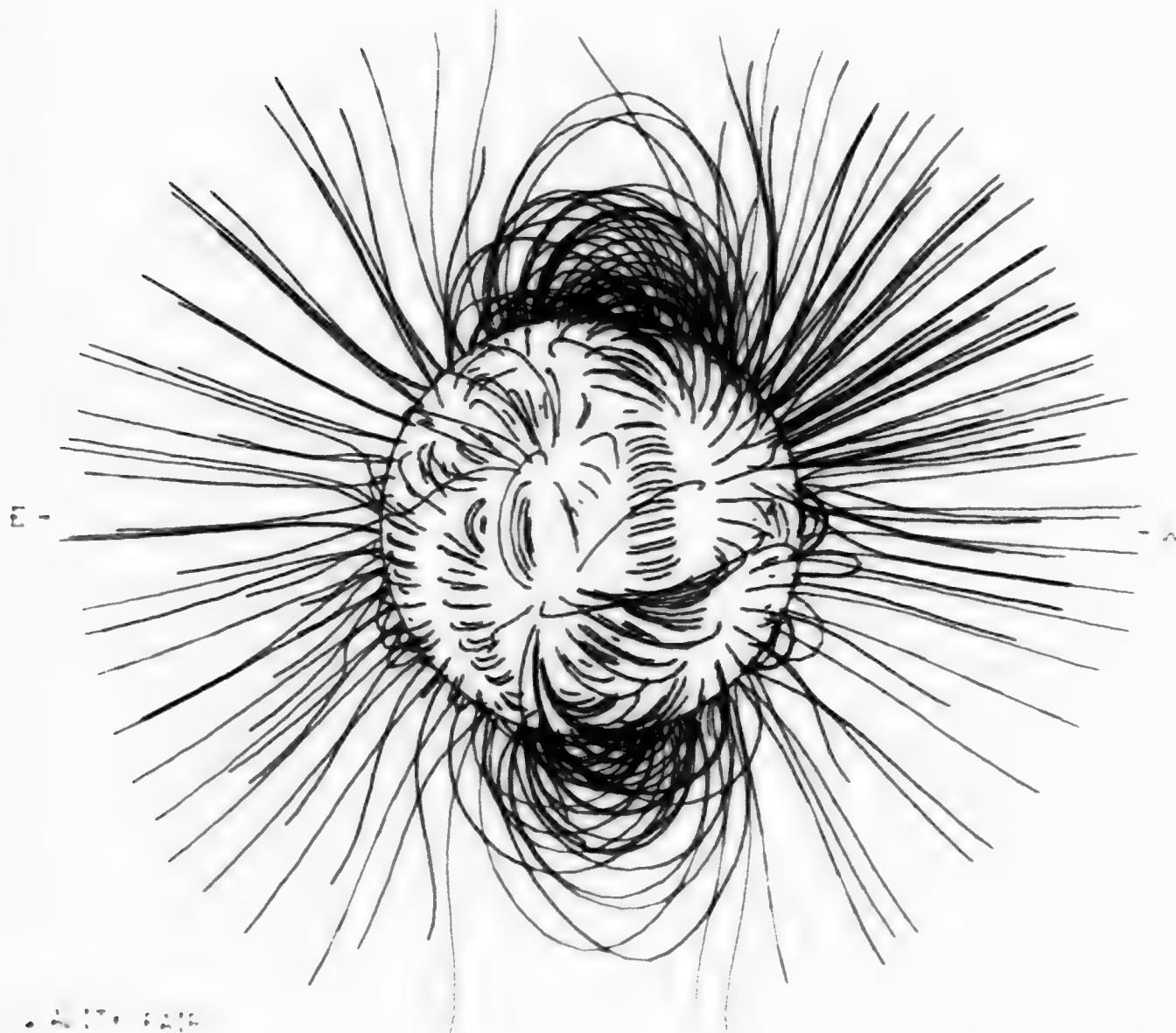
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1910
 1911-1912

HALE OBSERVATORY
 1913-1914
 1915-1916

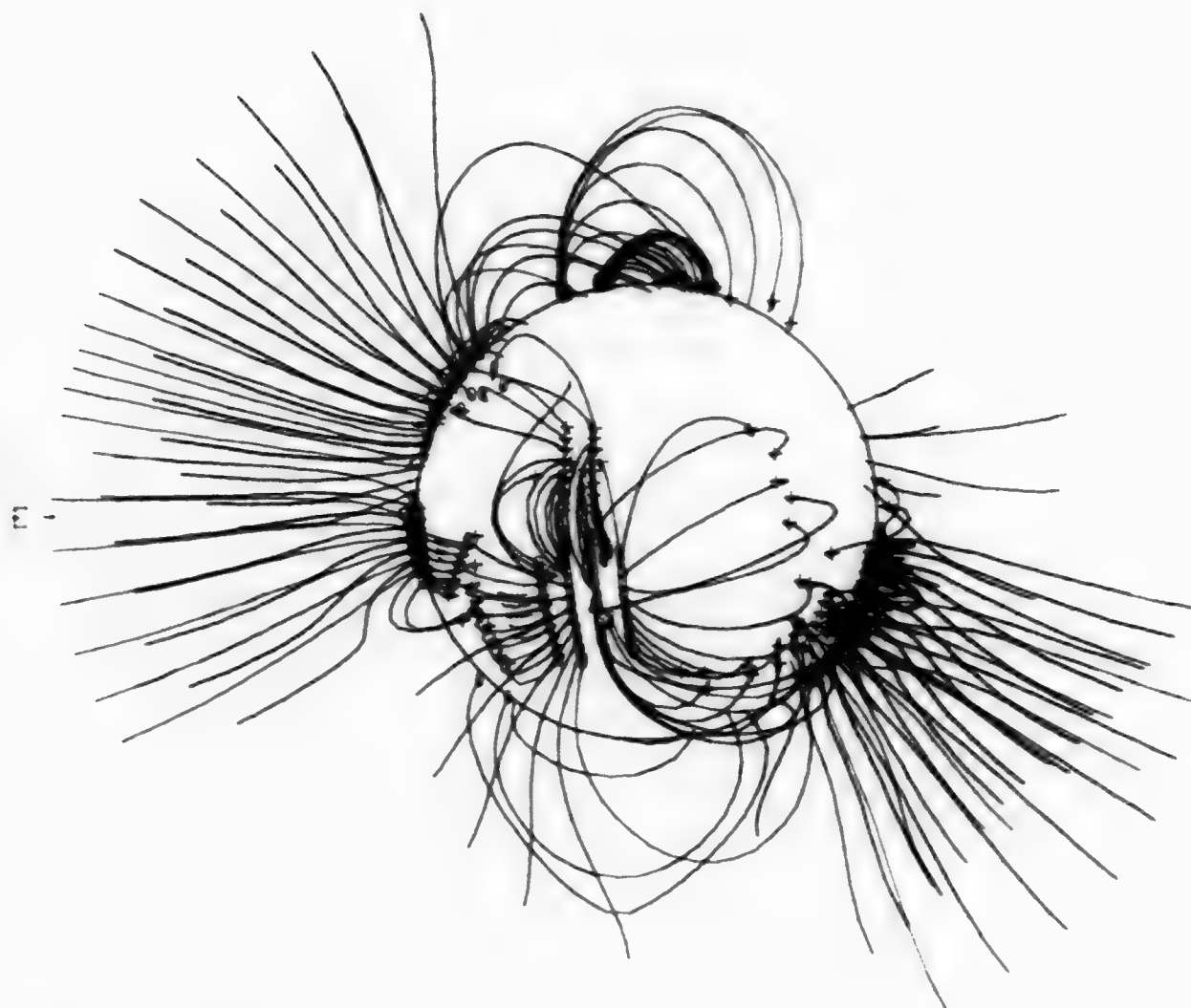
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 DATA CENTER

HALE OBSERVATORY
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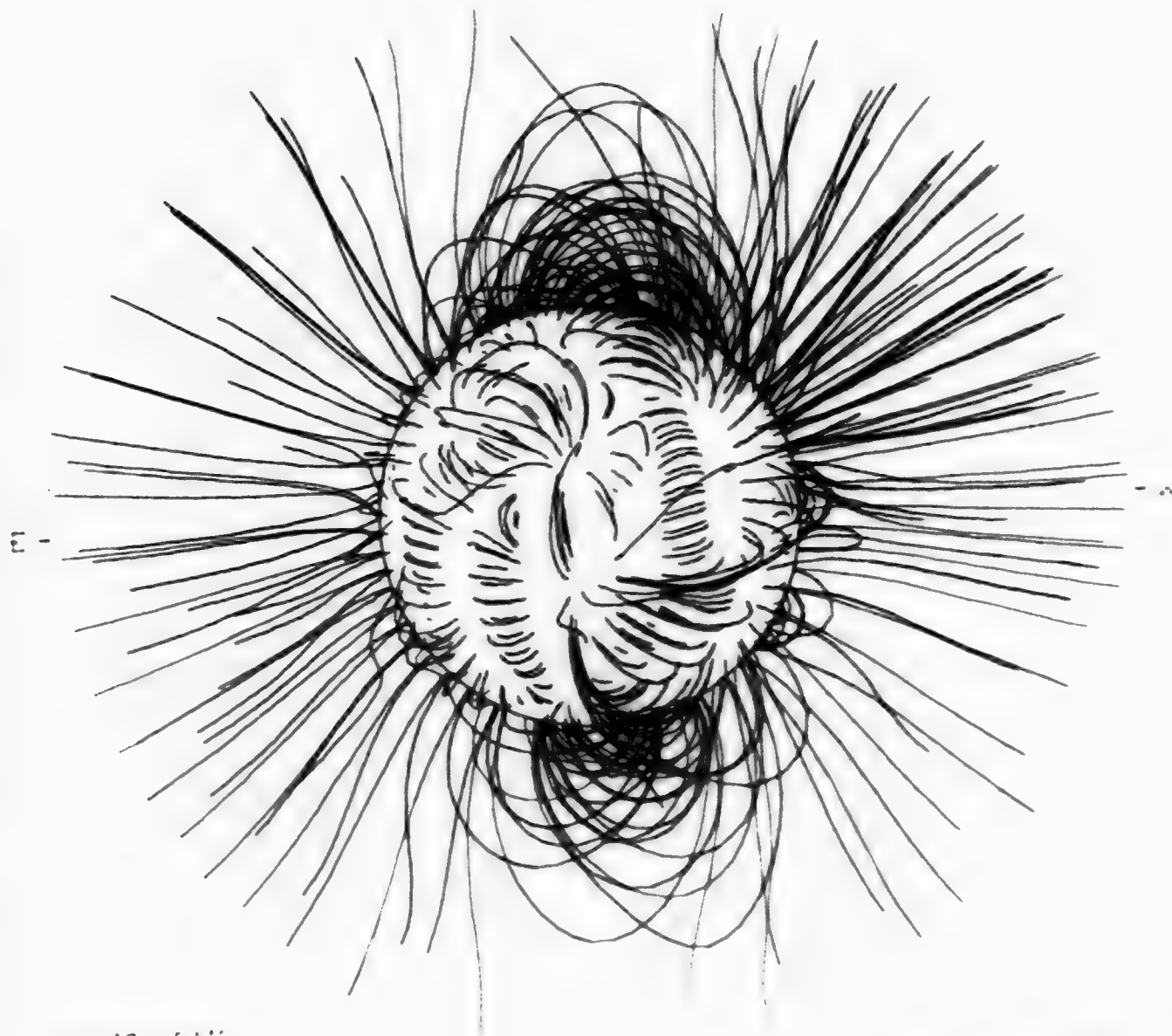
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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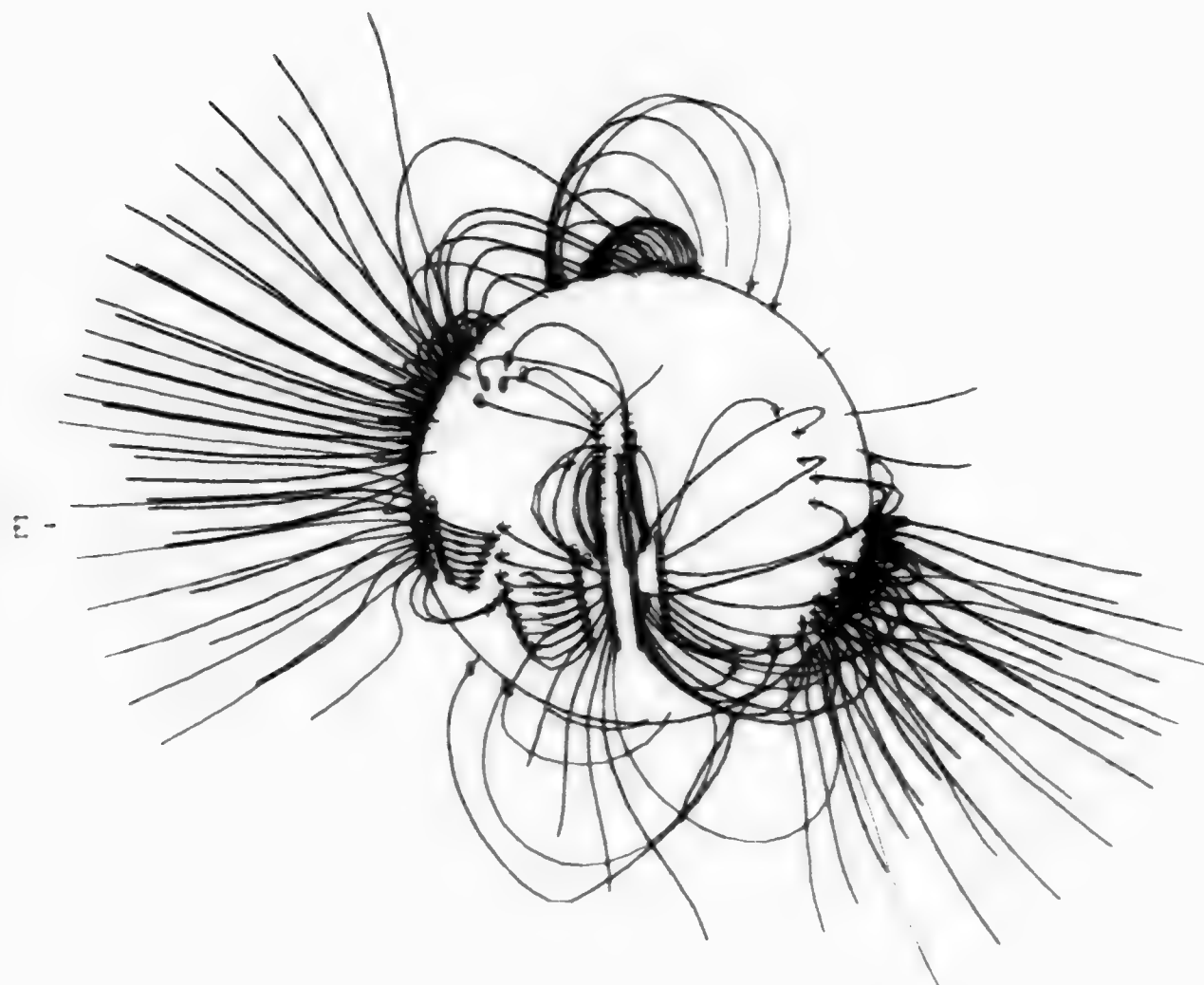
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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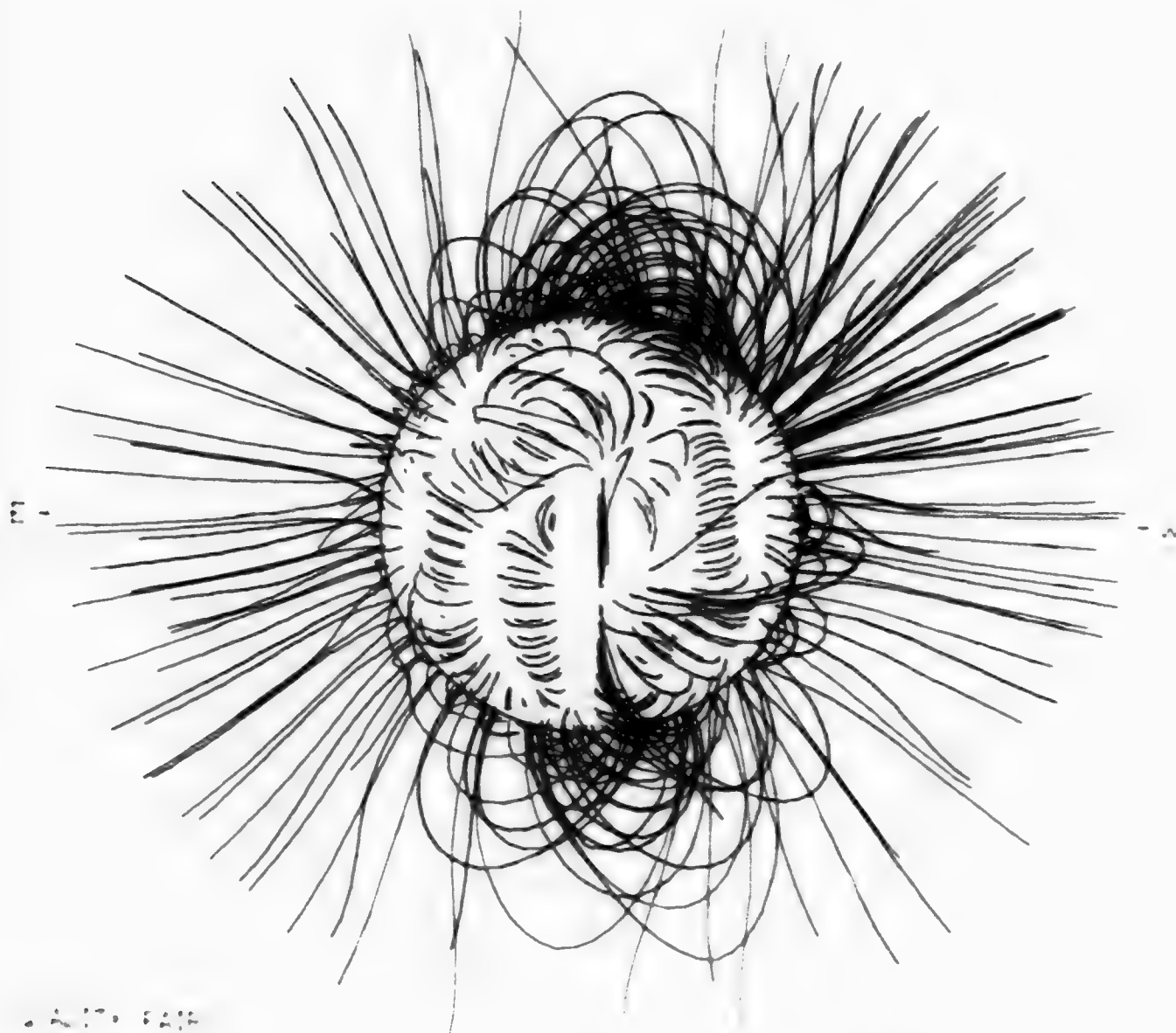
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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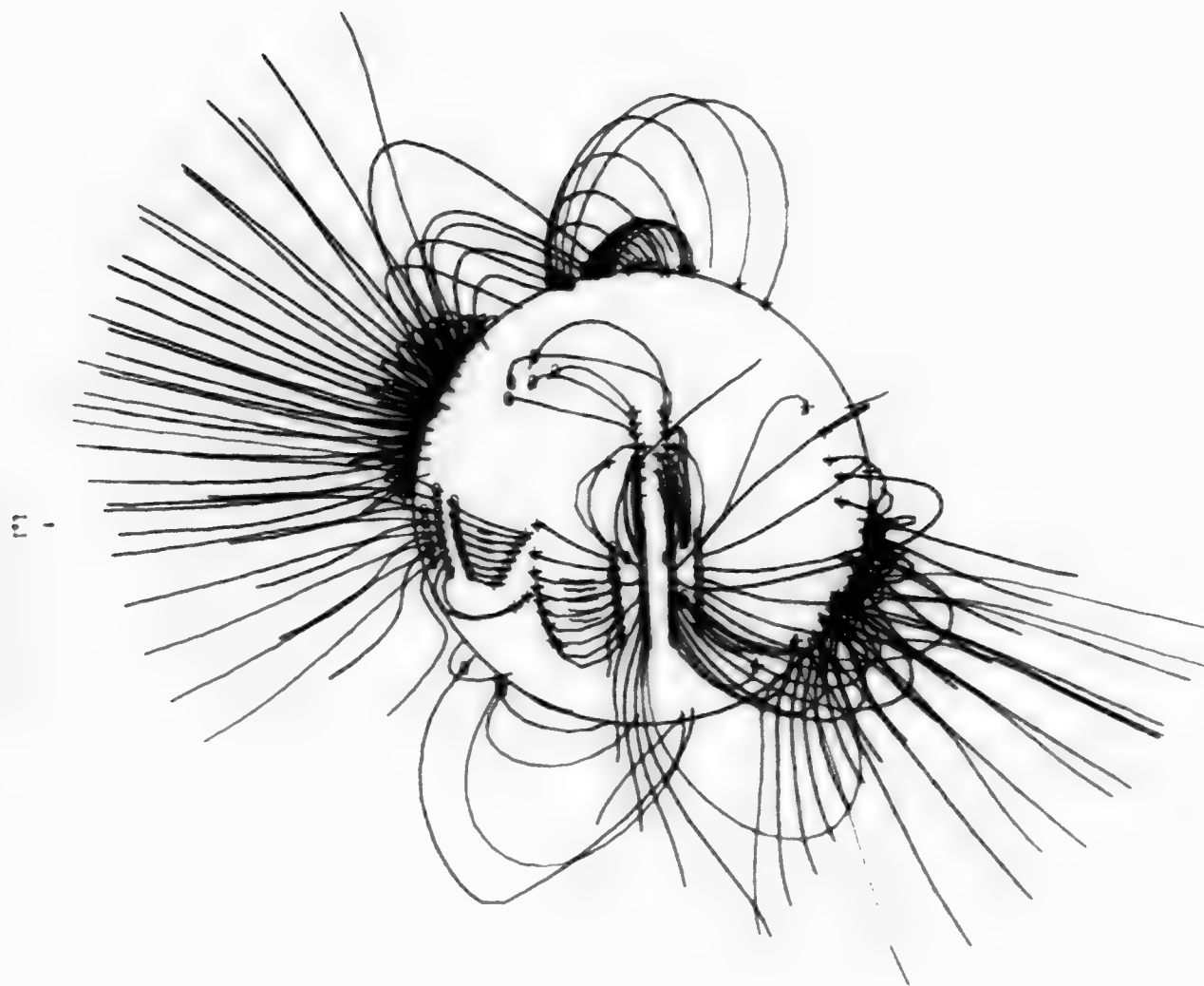
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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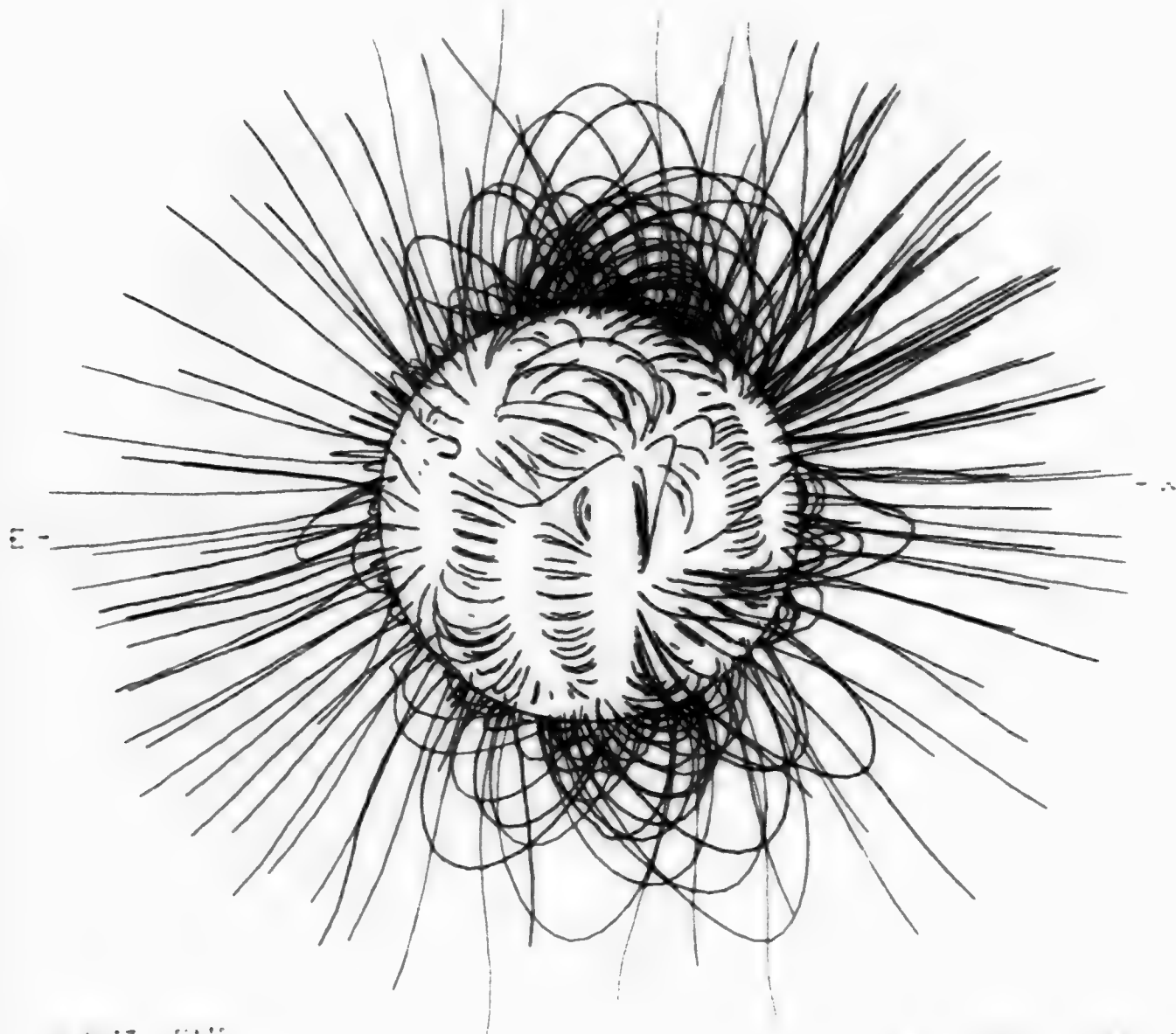
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
POLES DIRECT
DATA AND/OR RECORDS

HALE OBSERVATORY
POLES DIRECT
DATA AND/OR RECORDS

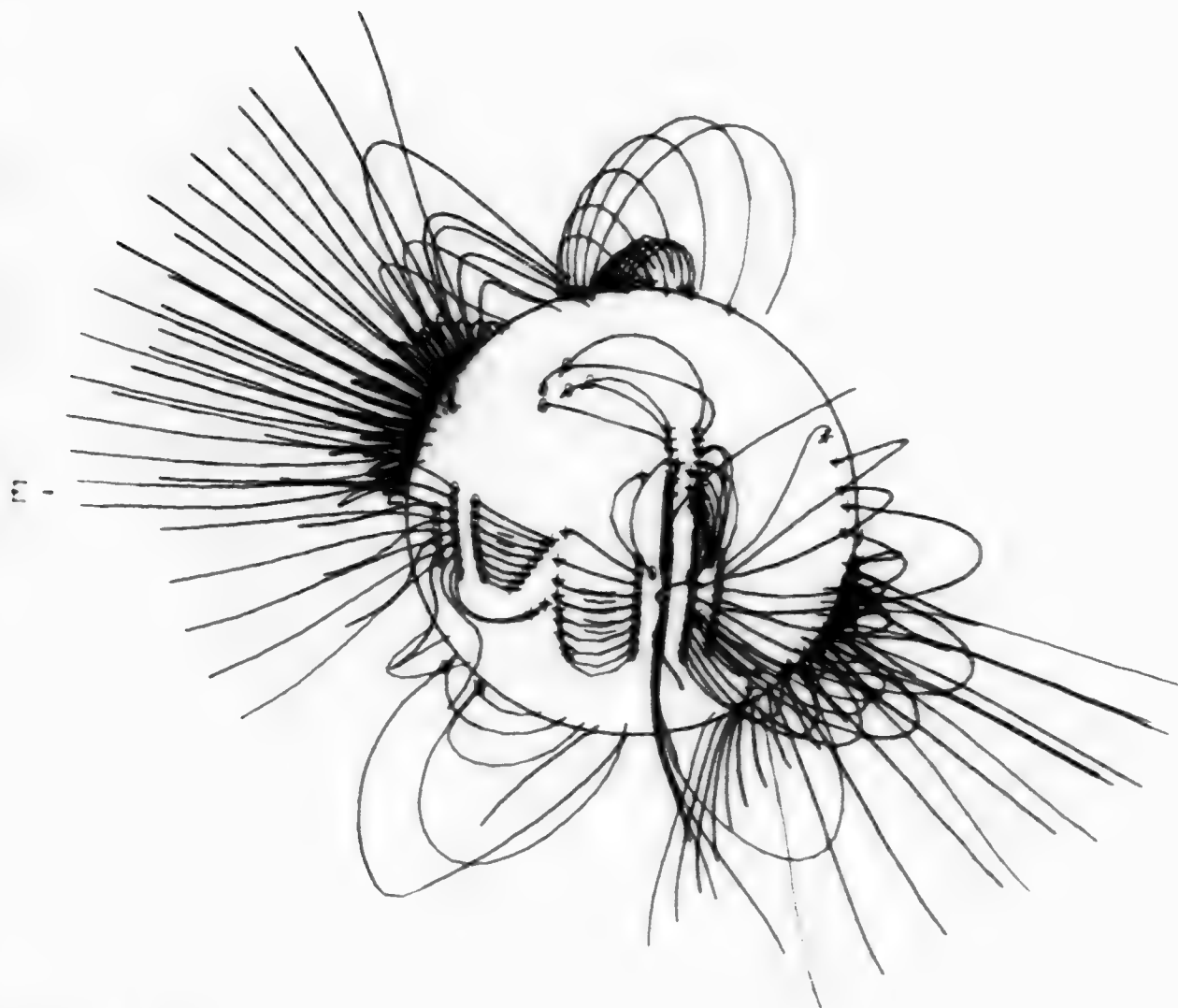
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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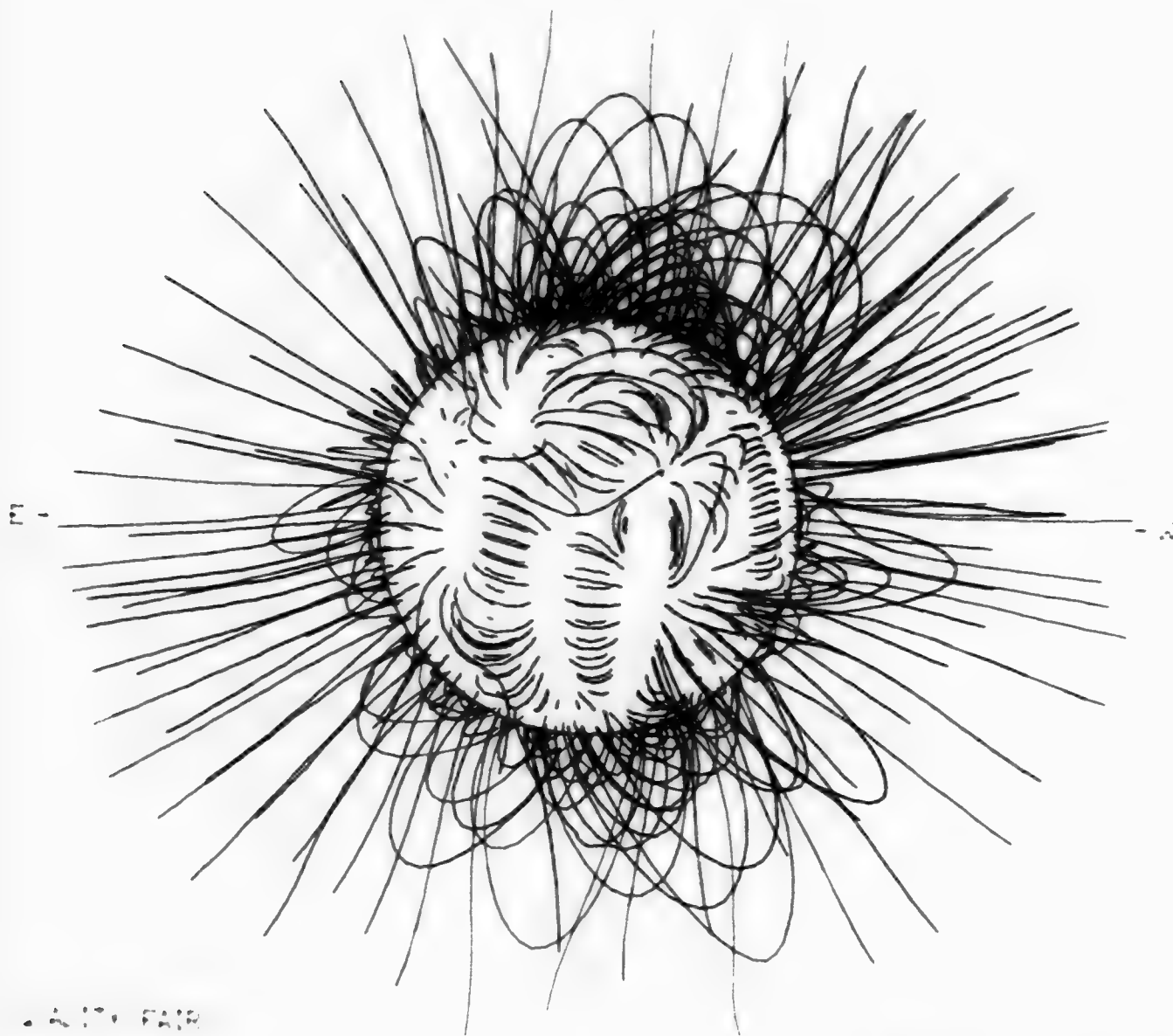
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

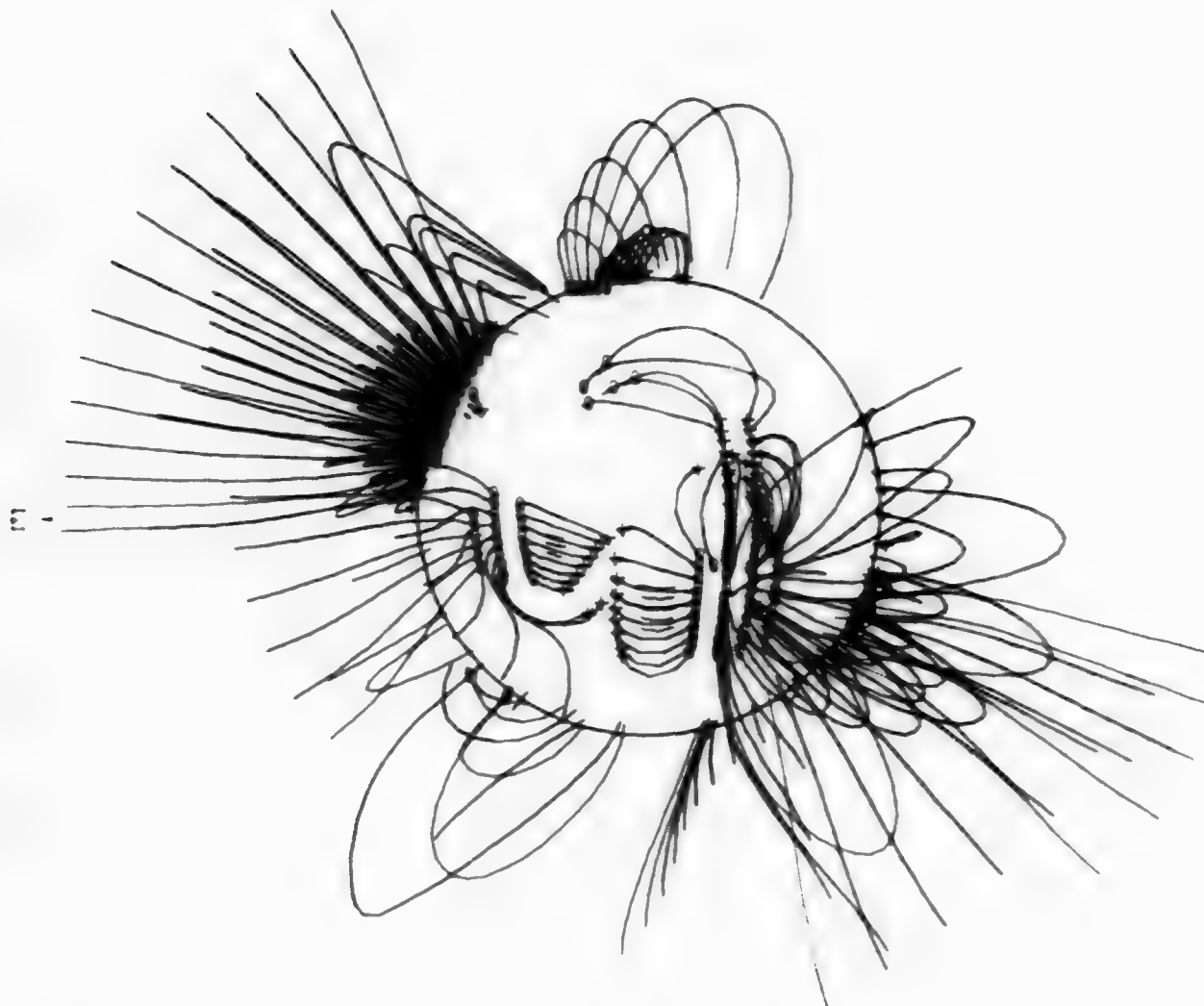
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 DATA AND/OR INFO...

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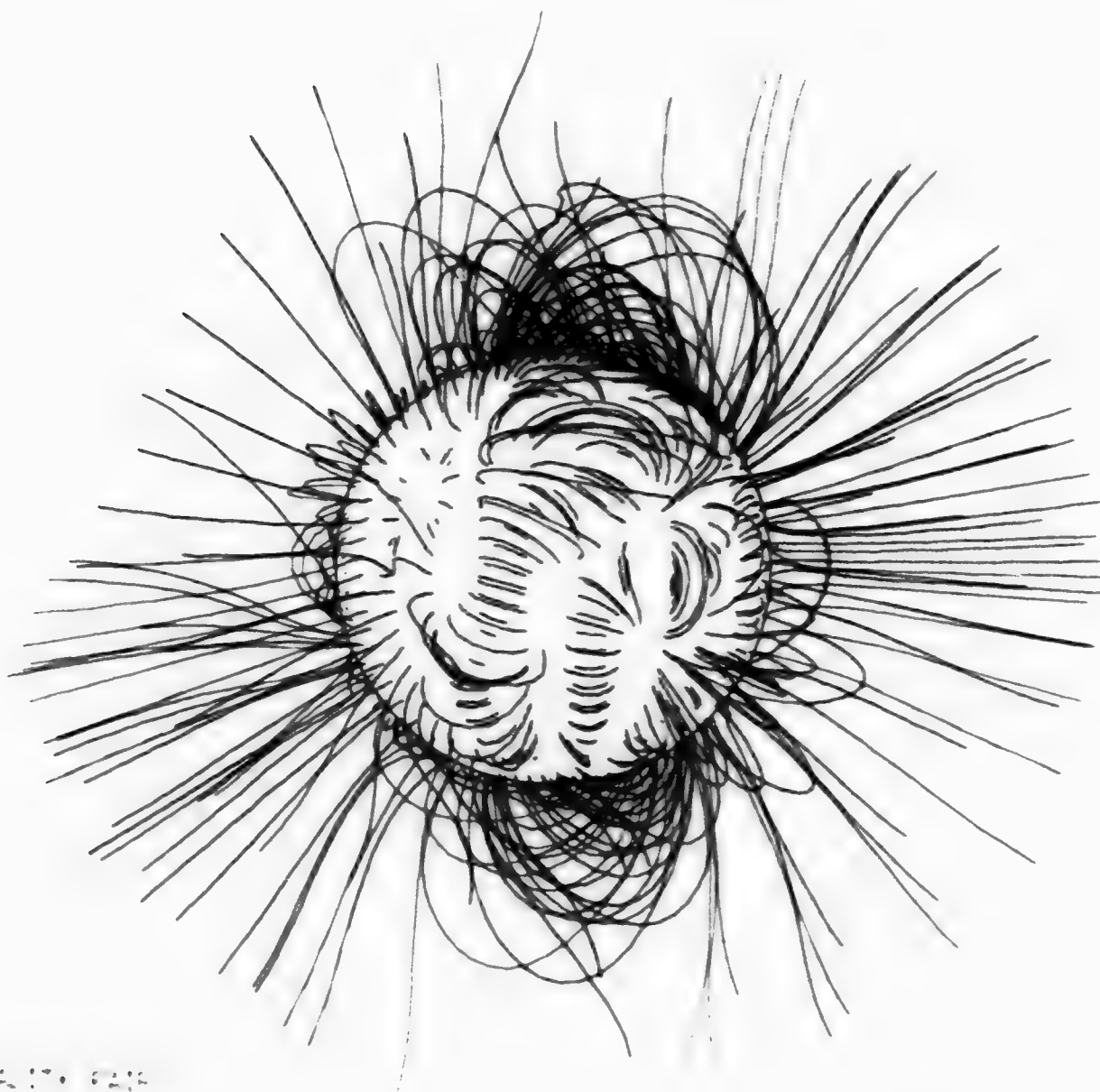
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO, COLO.
 (ATMOSPHERIC PHYSICS)

HALE OBSERVATORY
 PUEBLO, COLO.
 (ATMOSPHERIC PHYSICS)

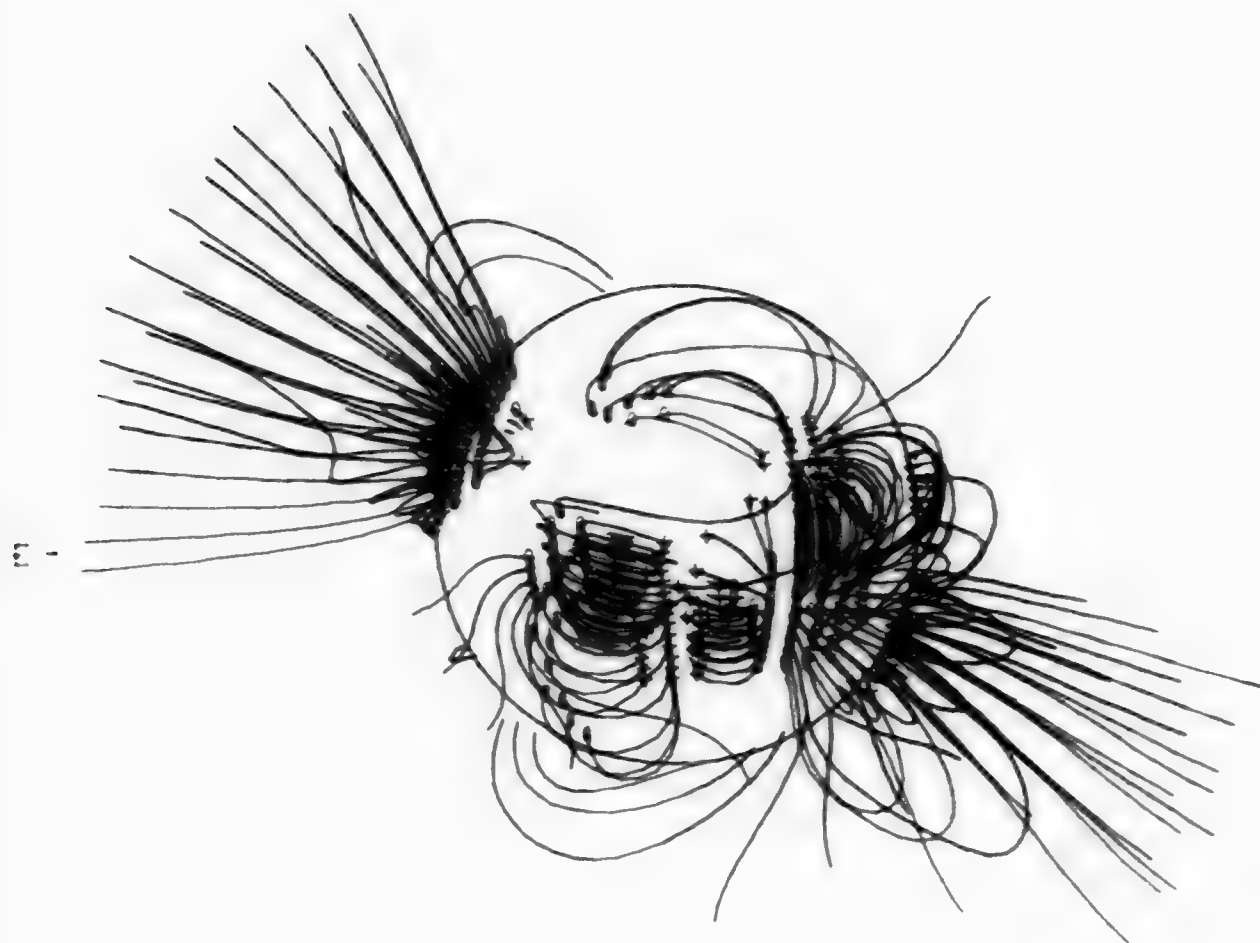
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPINE
 1941-1942
 1943-1944

1945-1946
 1947-1948

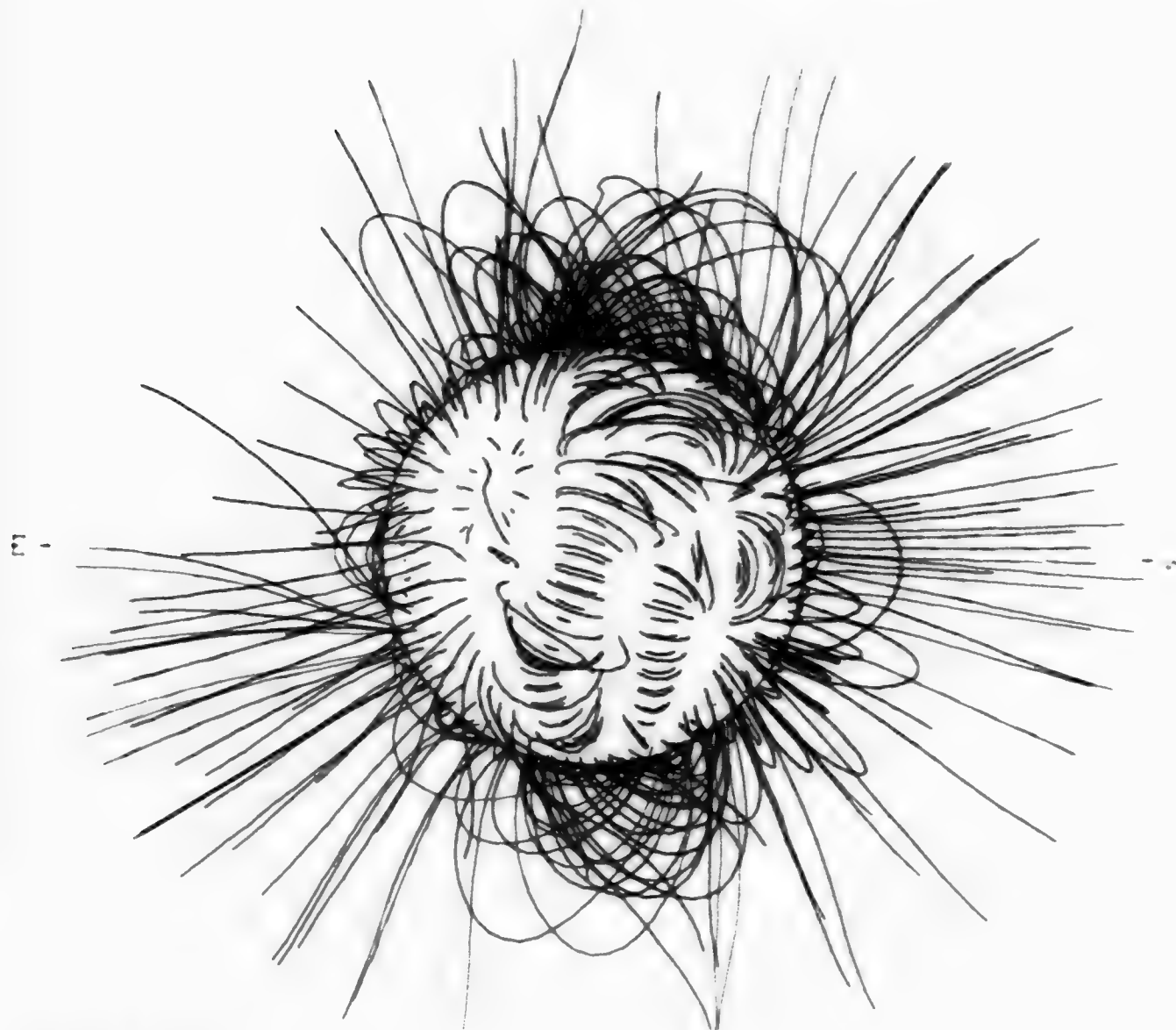
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNTAIN VIEW
CALIFORNIA 94041

HALE OBSERVATORY
MOUNTAIN VIEW
CALIFORNIA 94041

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



. 1. 17. 1944
 RULES DIRECT
 DATE 1944. 1944

1. 17. 1944
 1. 17. 1944

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

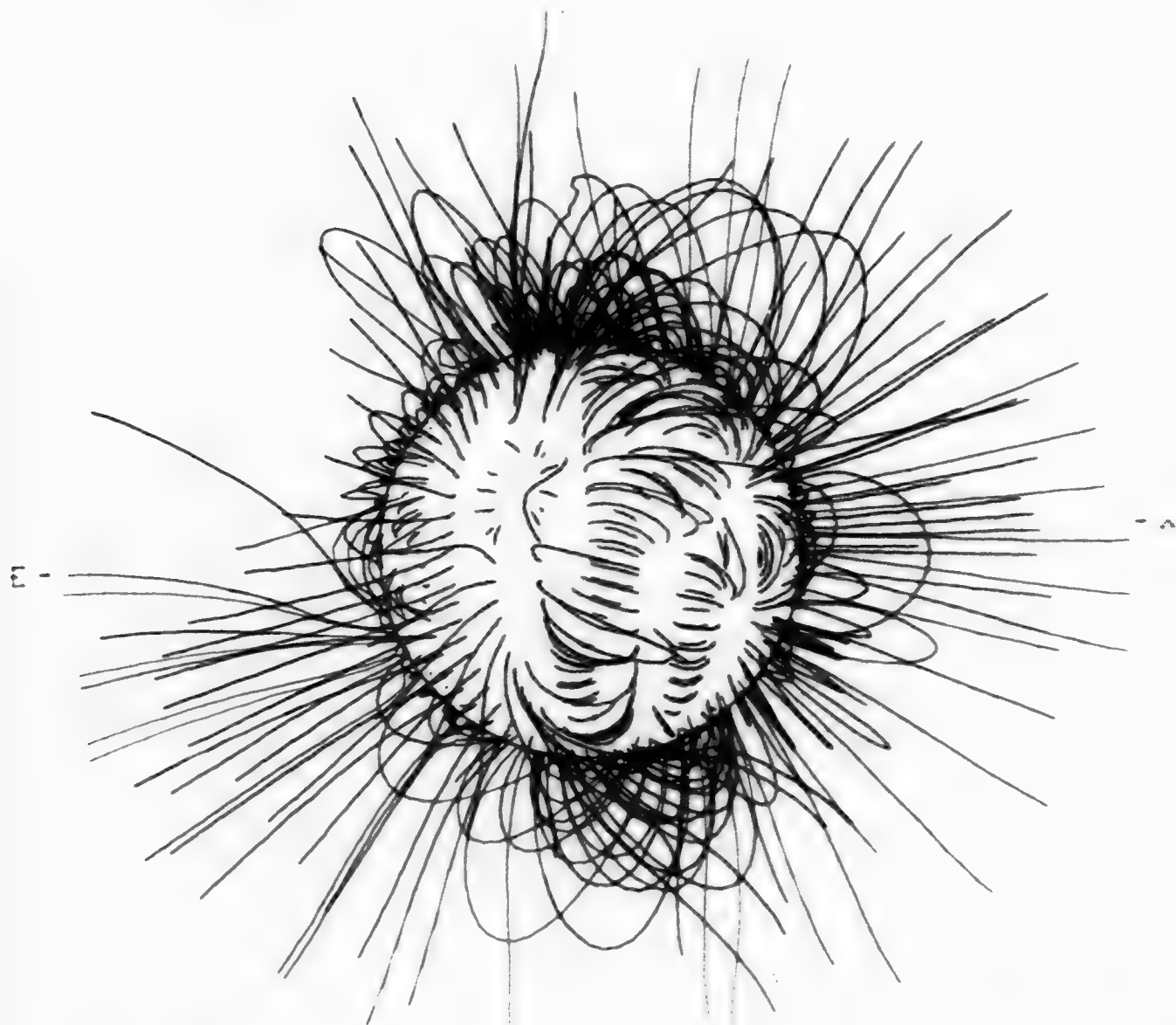
DATA WINDOW 1529.44

S

ROT. 1529 2117. 71°

10.5 121 1508

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUECO OBSERVATORY
DATE 10/10/1964

5

HALE OBSERVATORY
PUECO OBSERVATORY
DATE 10/10/1964

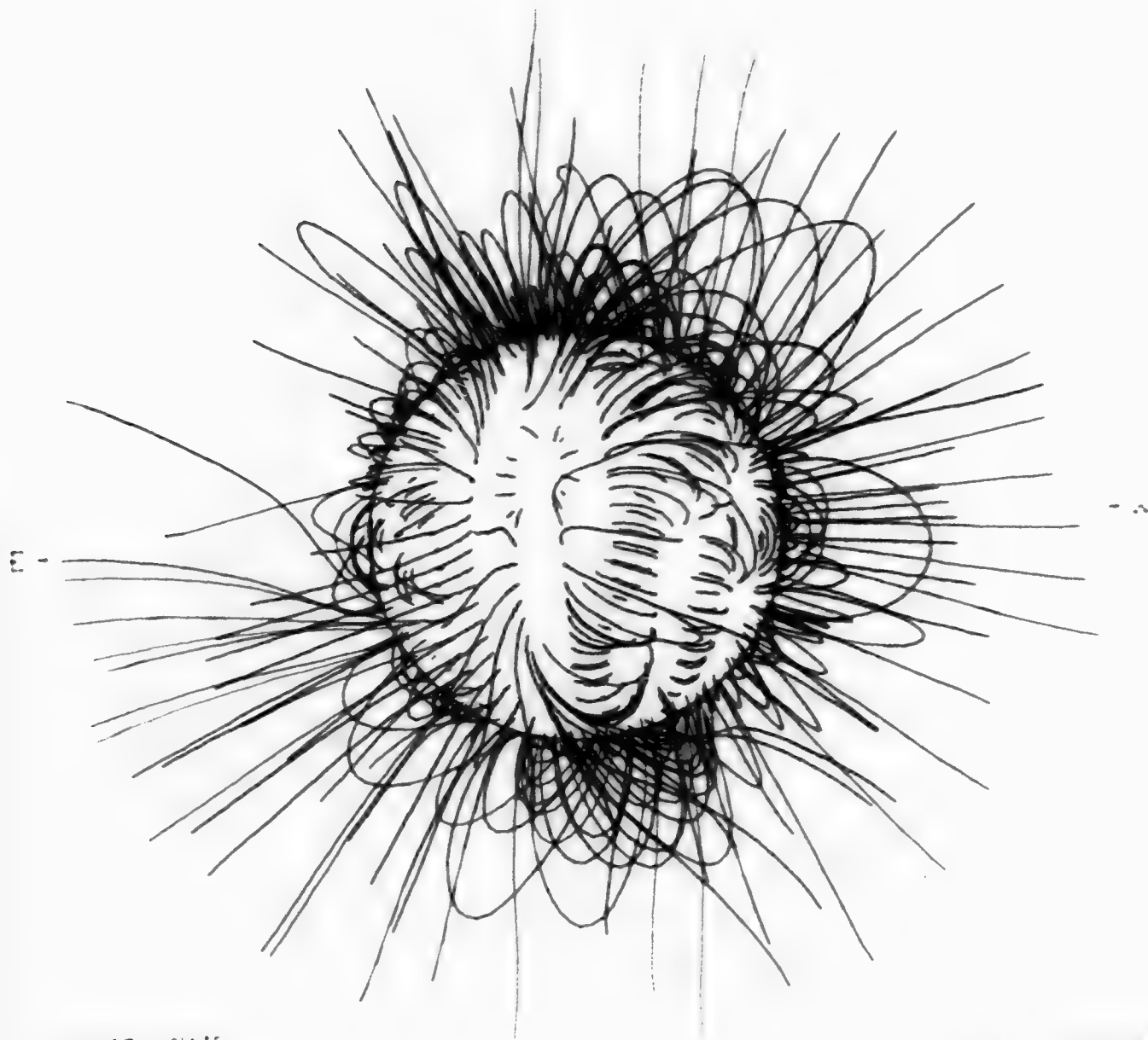
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPINE PAIR
 FULL LIFE
 DATA WITHIN 15.0.00

ALPINE PAIR
 FULL LIFE
 DATA WITHIN 15.0.00

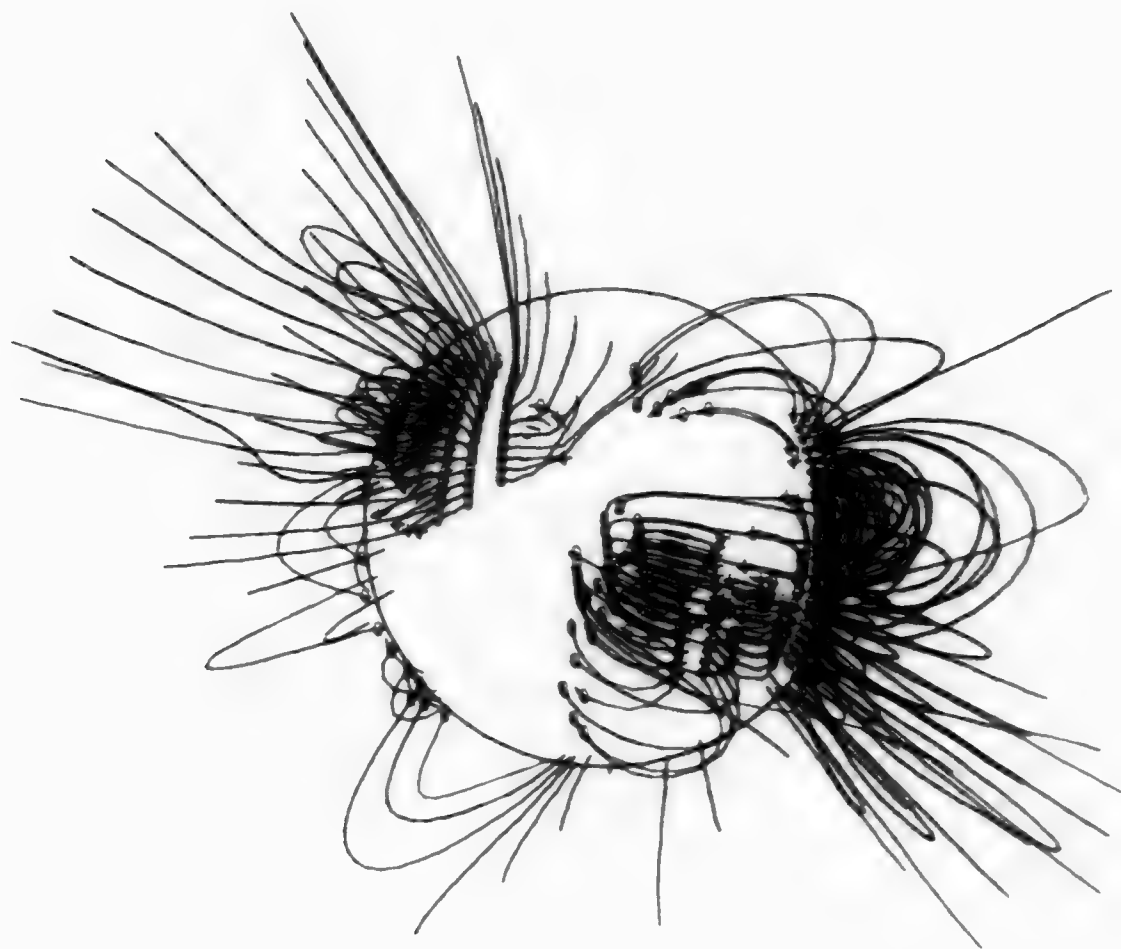
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA DATA
RILES DATA
DATA ANALYSIS

ALPHA DATA
RILES DATA
DATA ANALYSIS

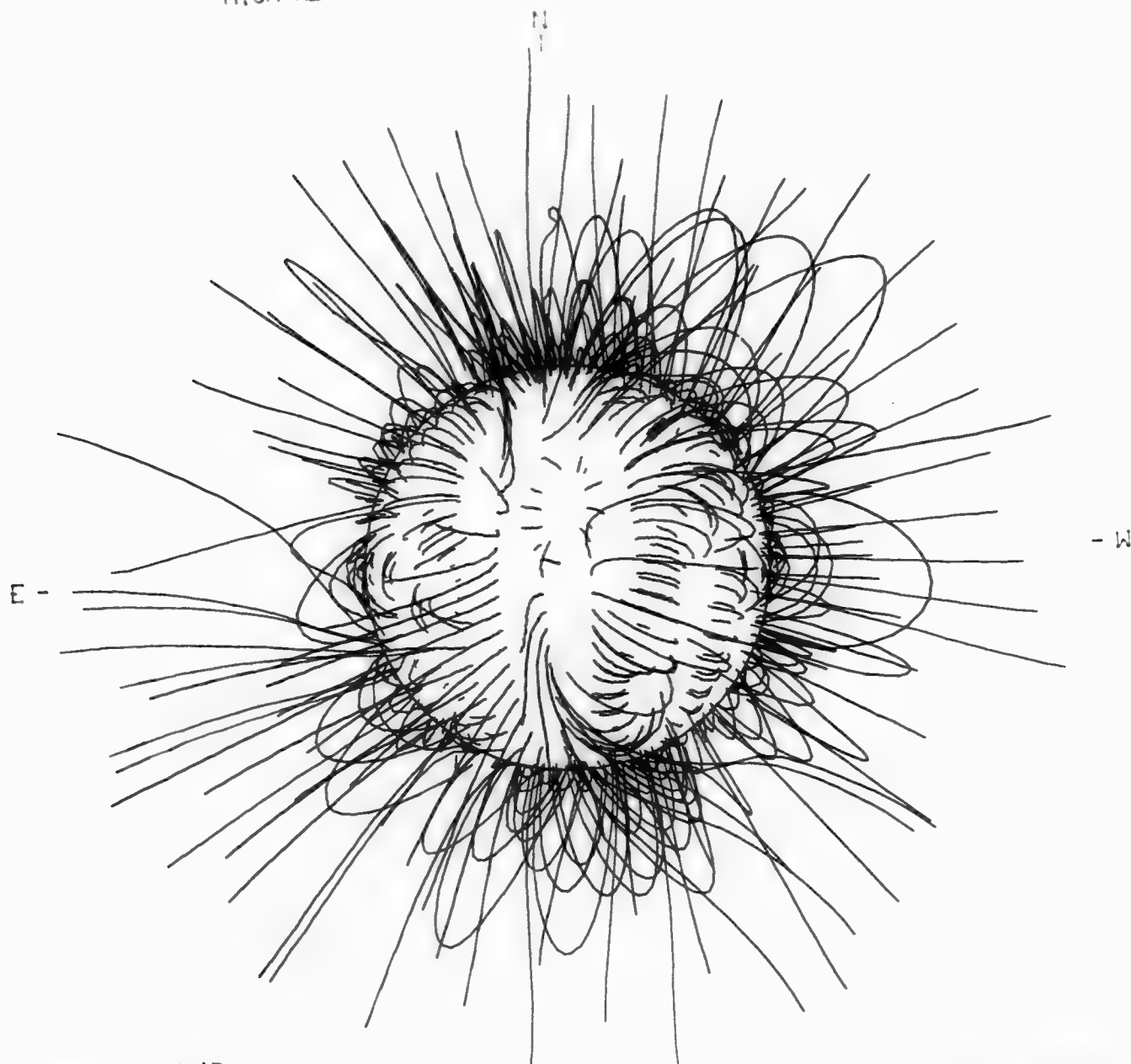
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1529.44

1
S

ROT. 1529 LONG. 40°
12.8 JAN 1968

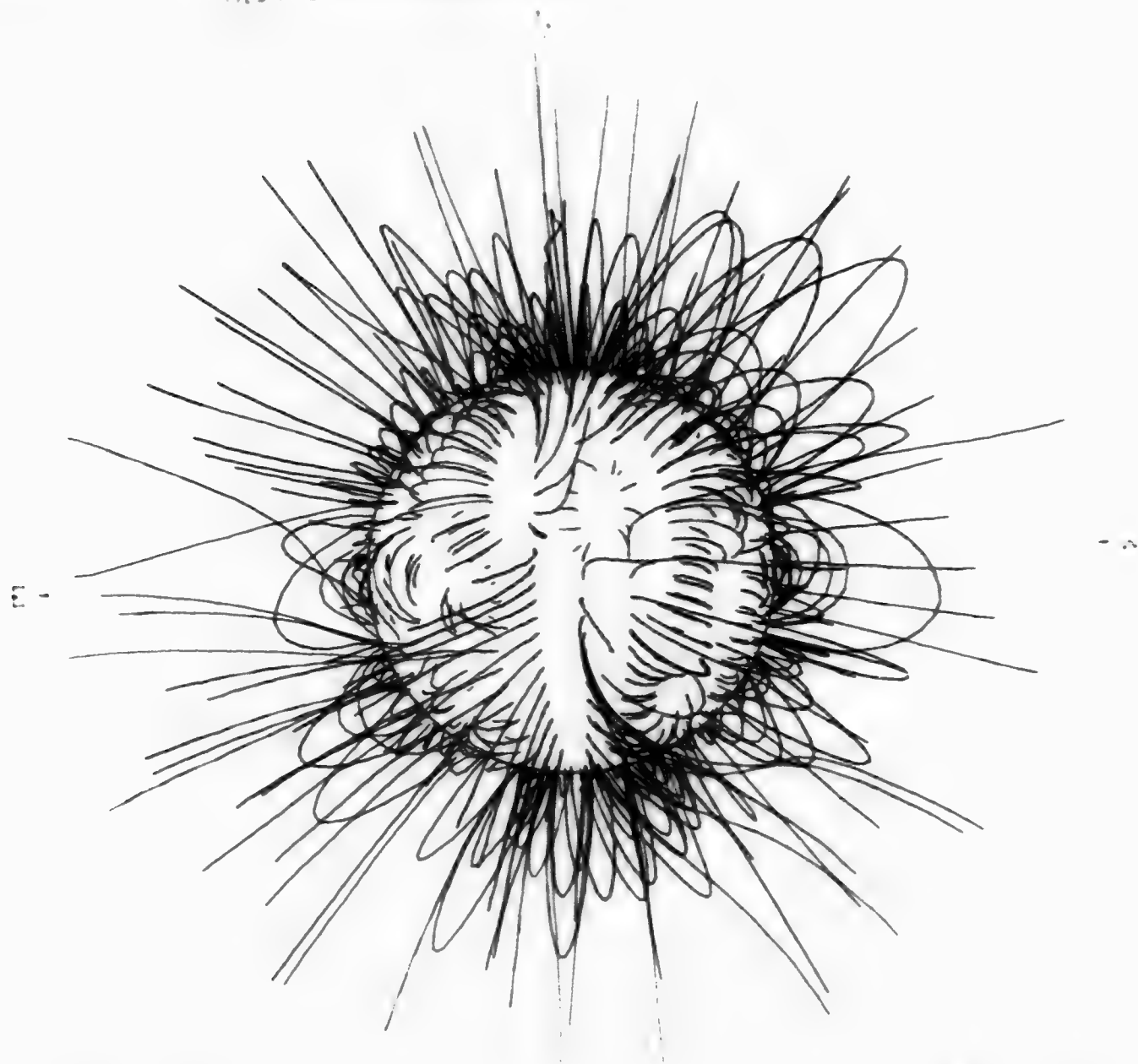
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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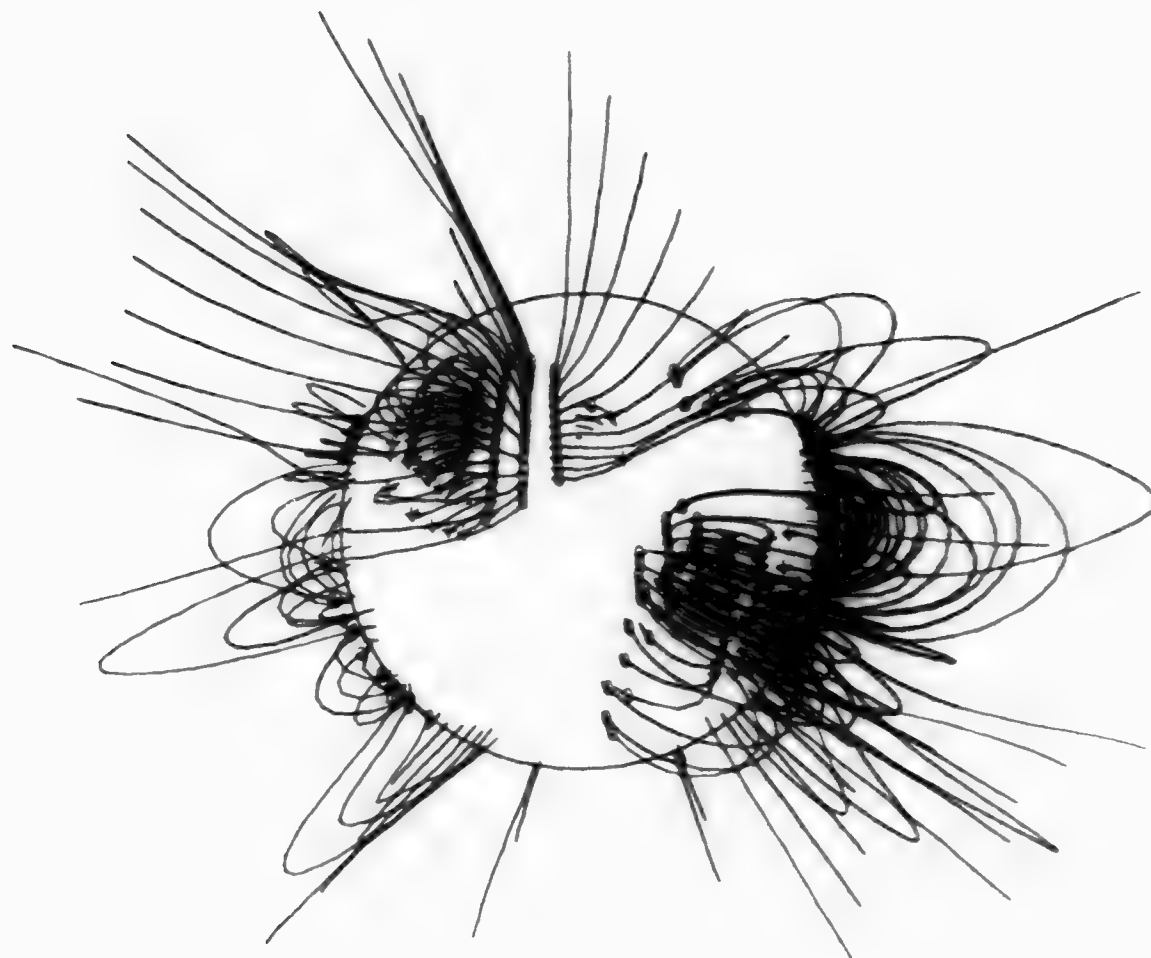
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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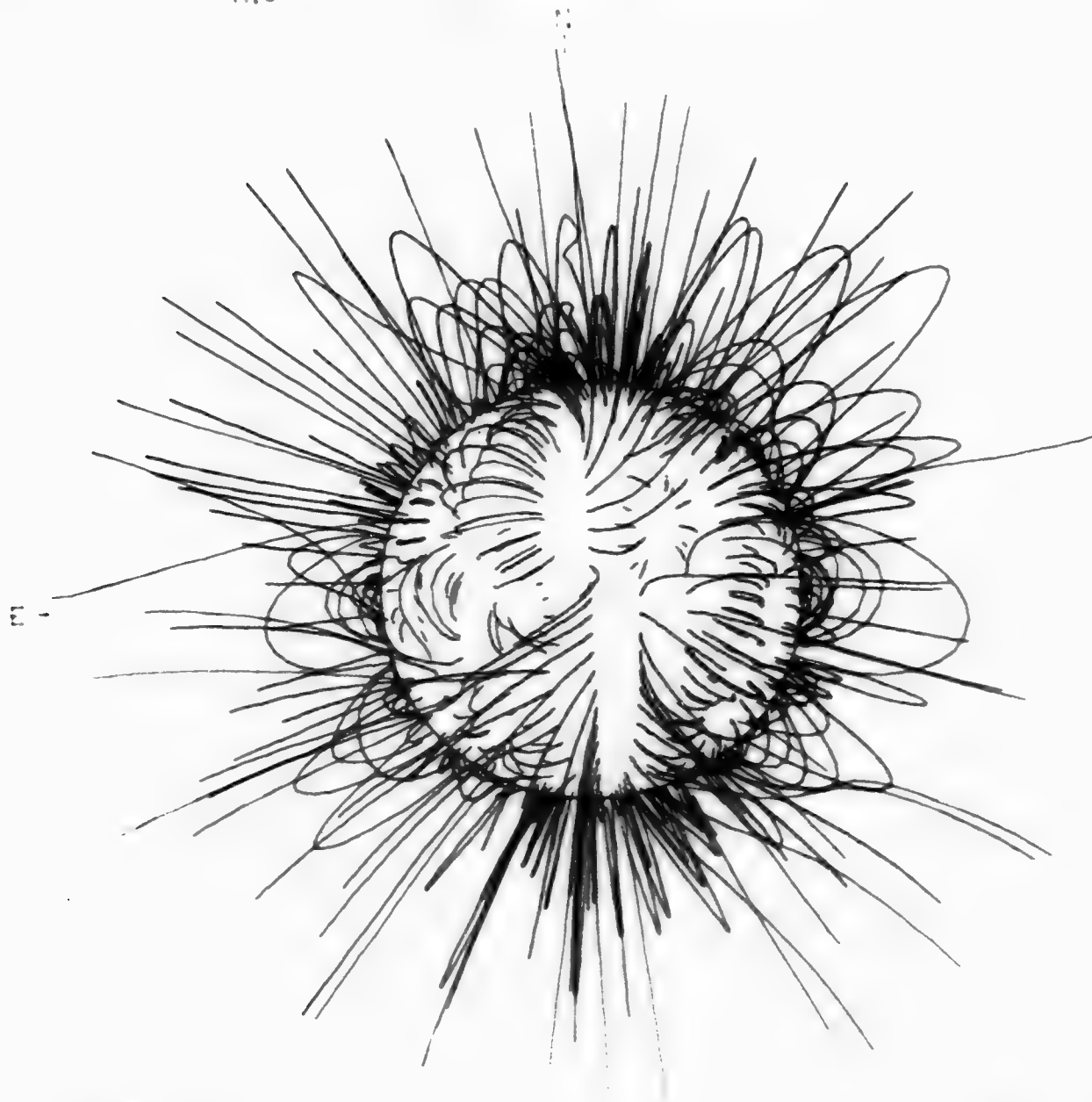
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES DIRECT
 DATA AND INFORMATION

HALE OBSERVATORY
 PAGES DIRECT
 DATA AND INFORMATION

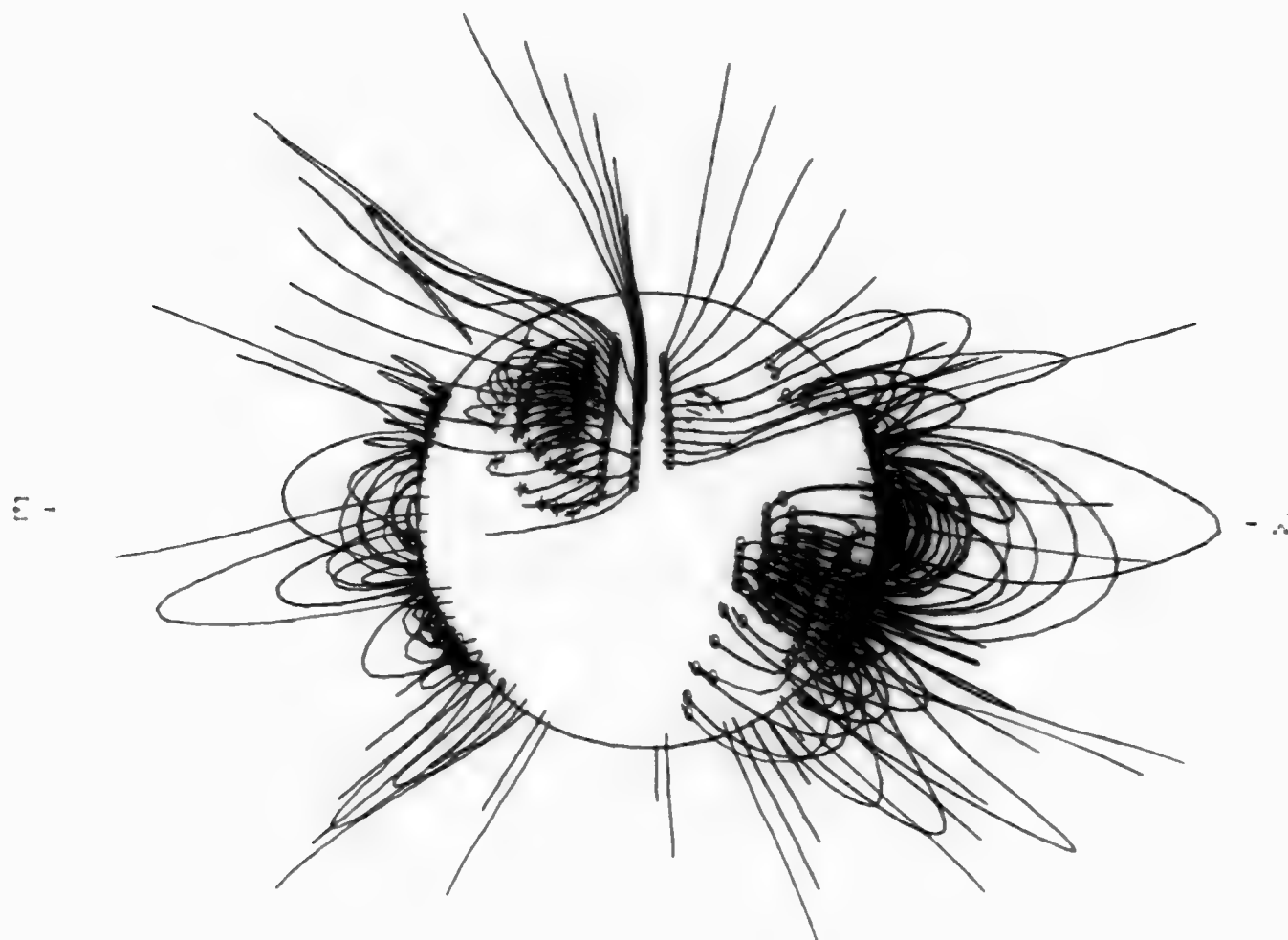
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

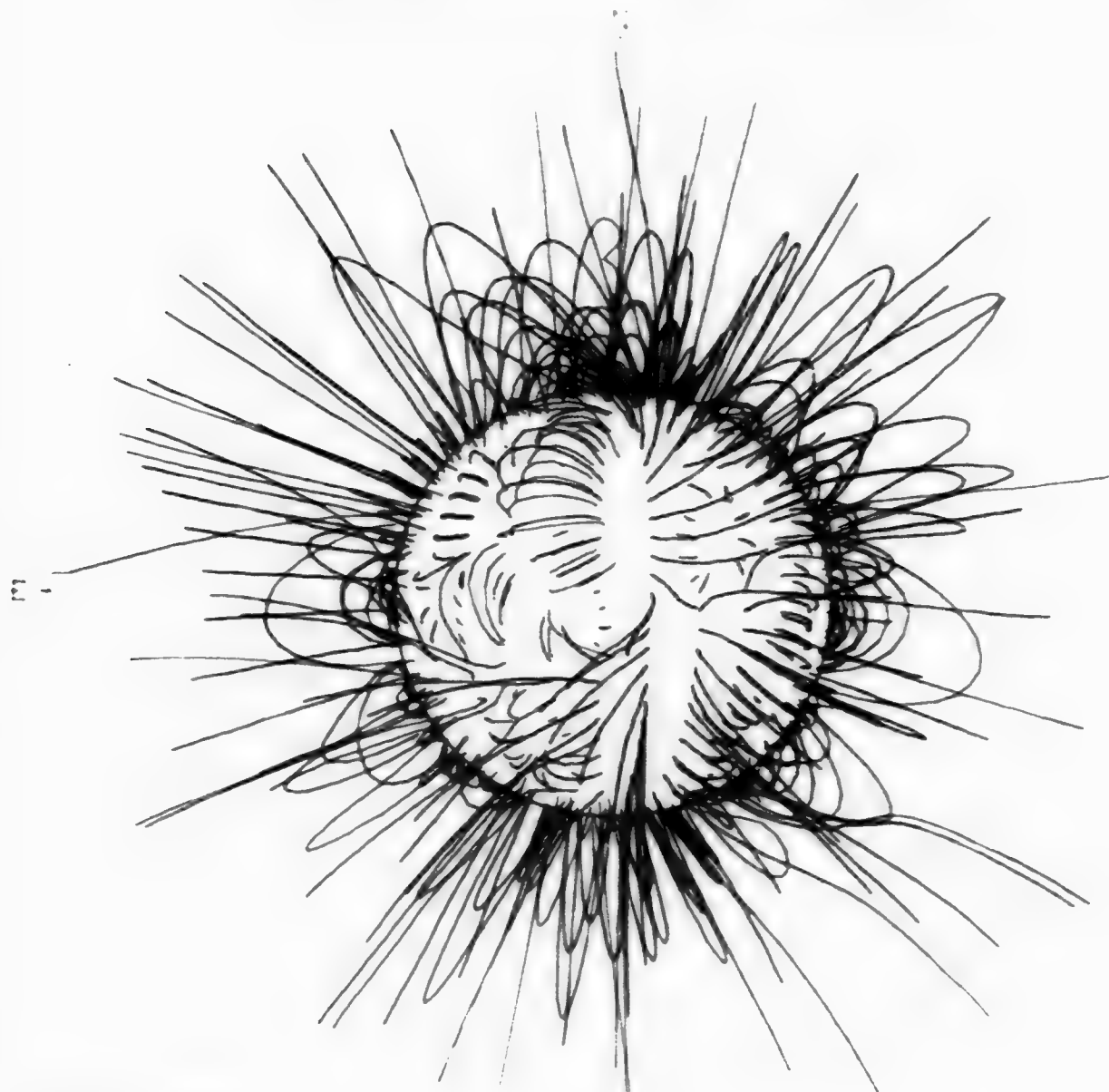
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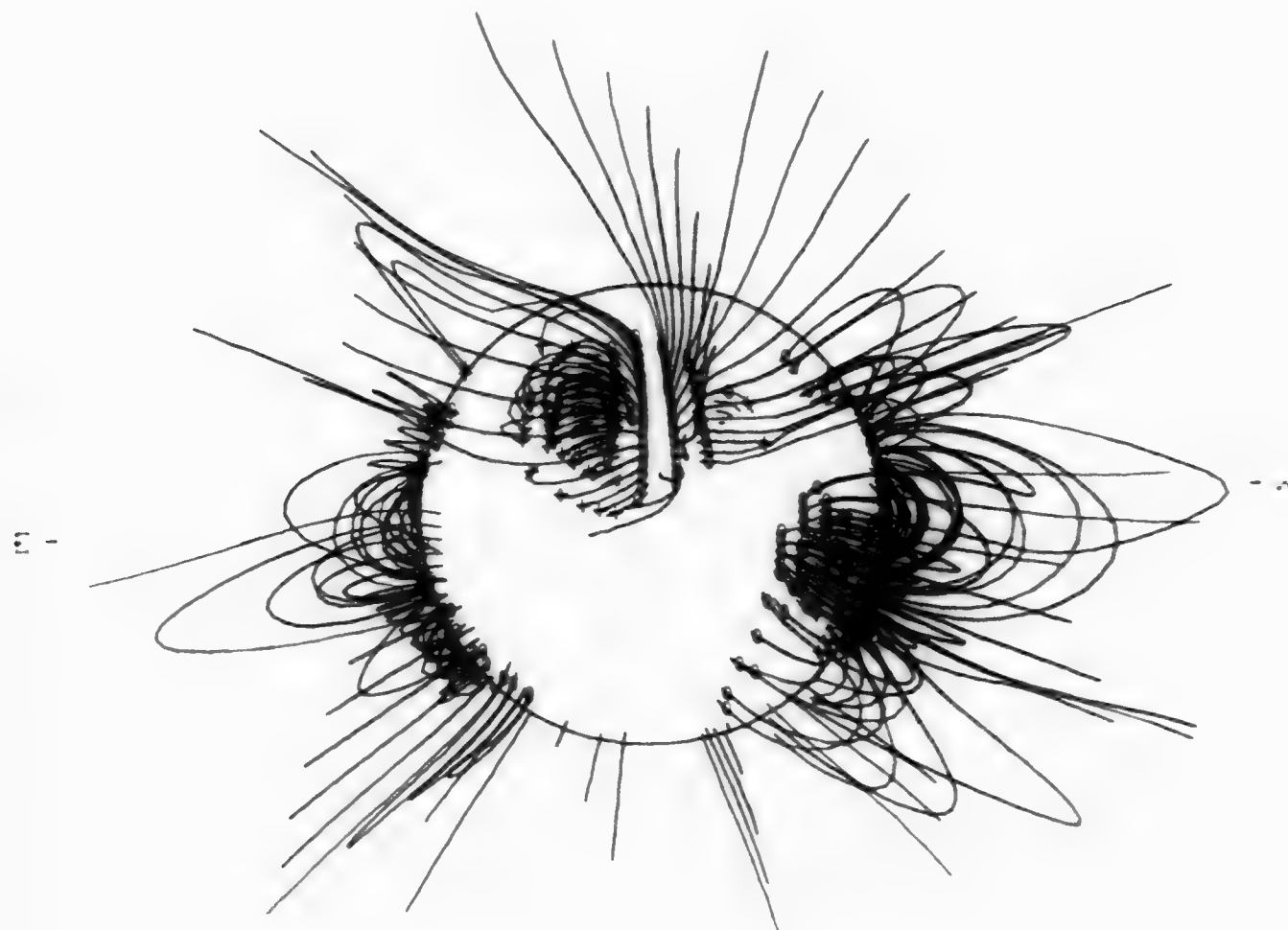
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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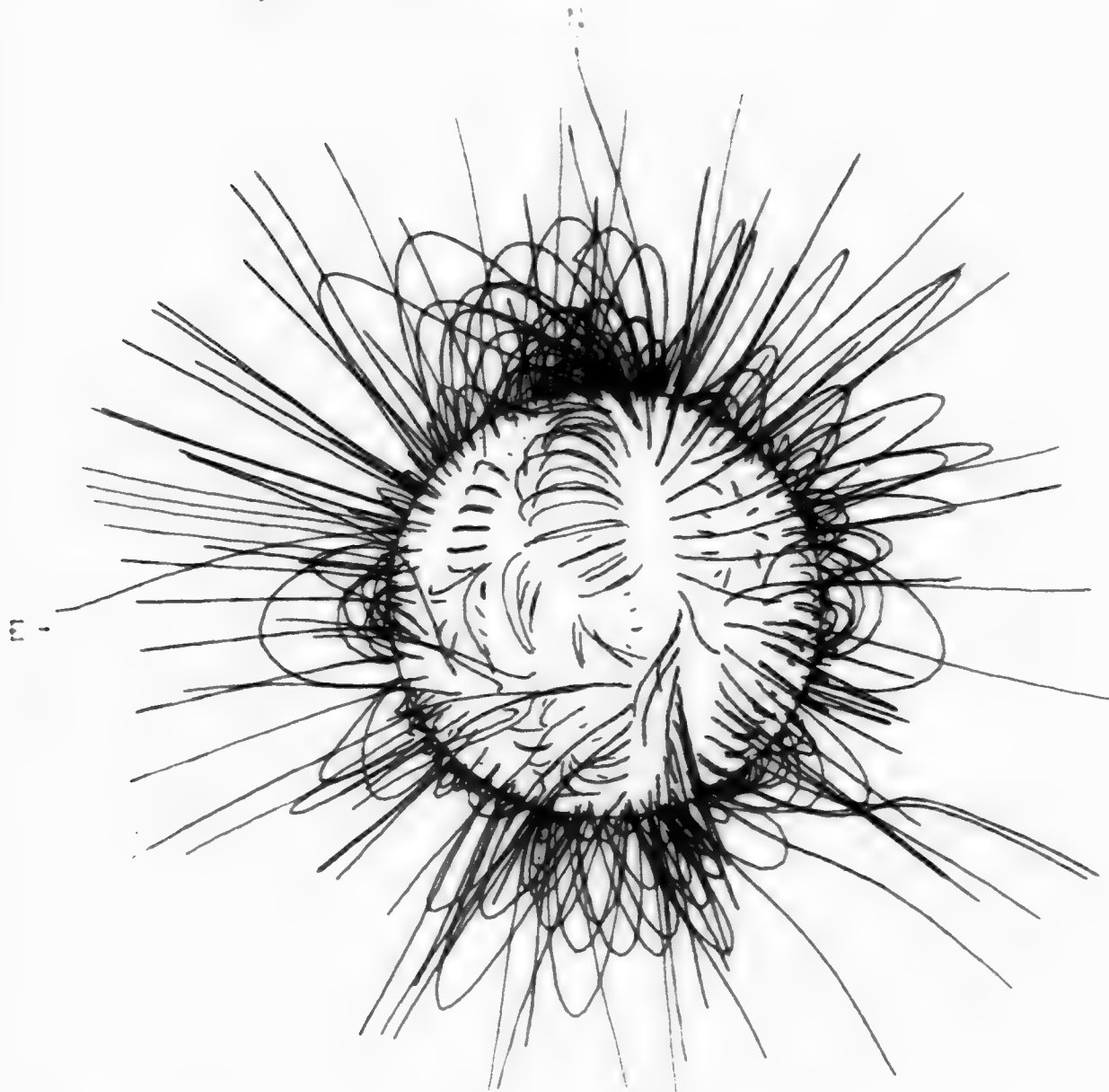
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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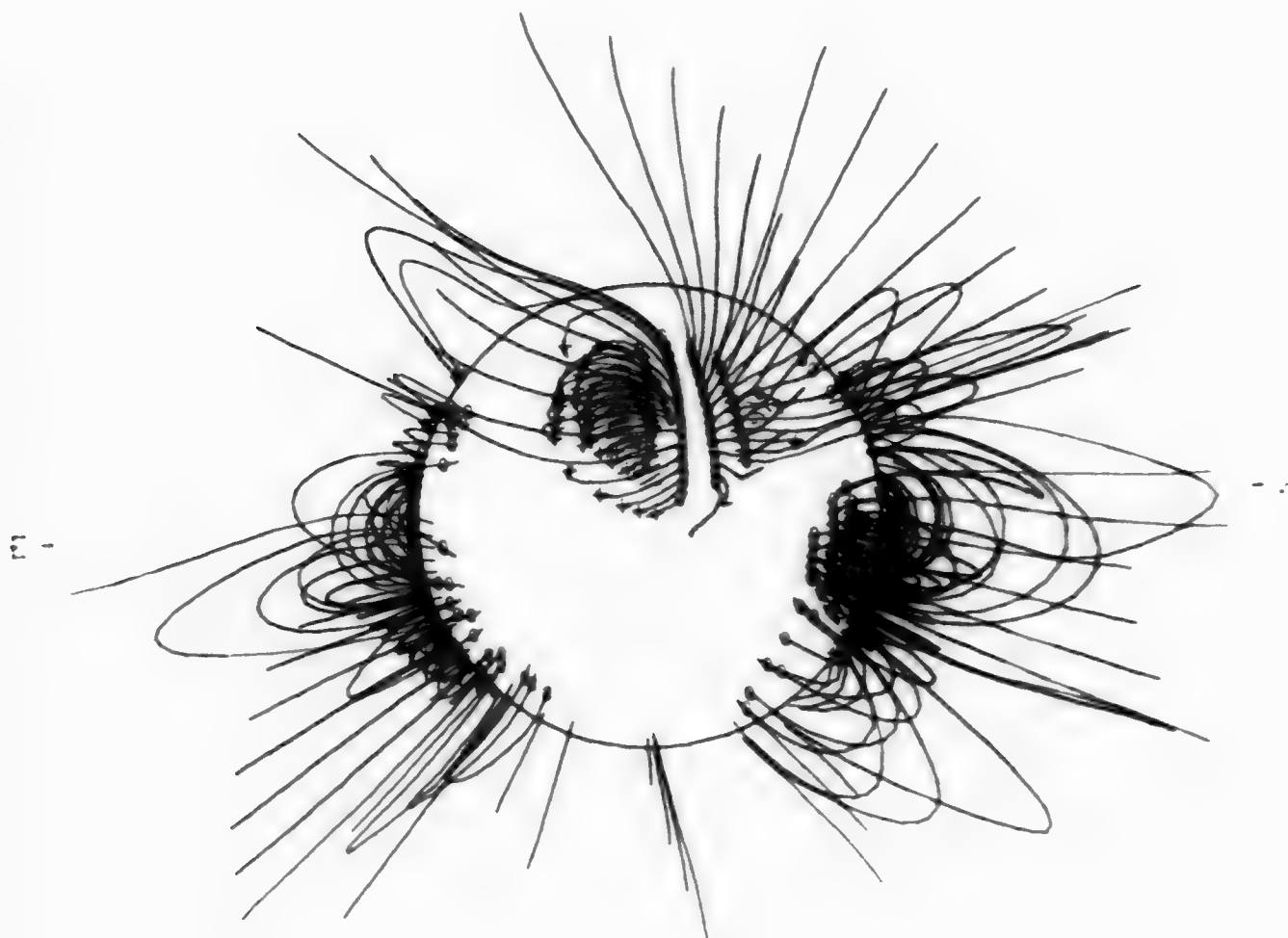
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR OBSERVATORY
SOLAR OBSERVATORY

HALE OBSERVATORY
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SOLAR OBSERVATORY

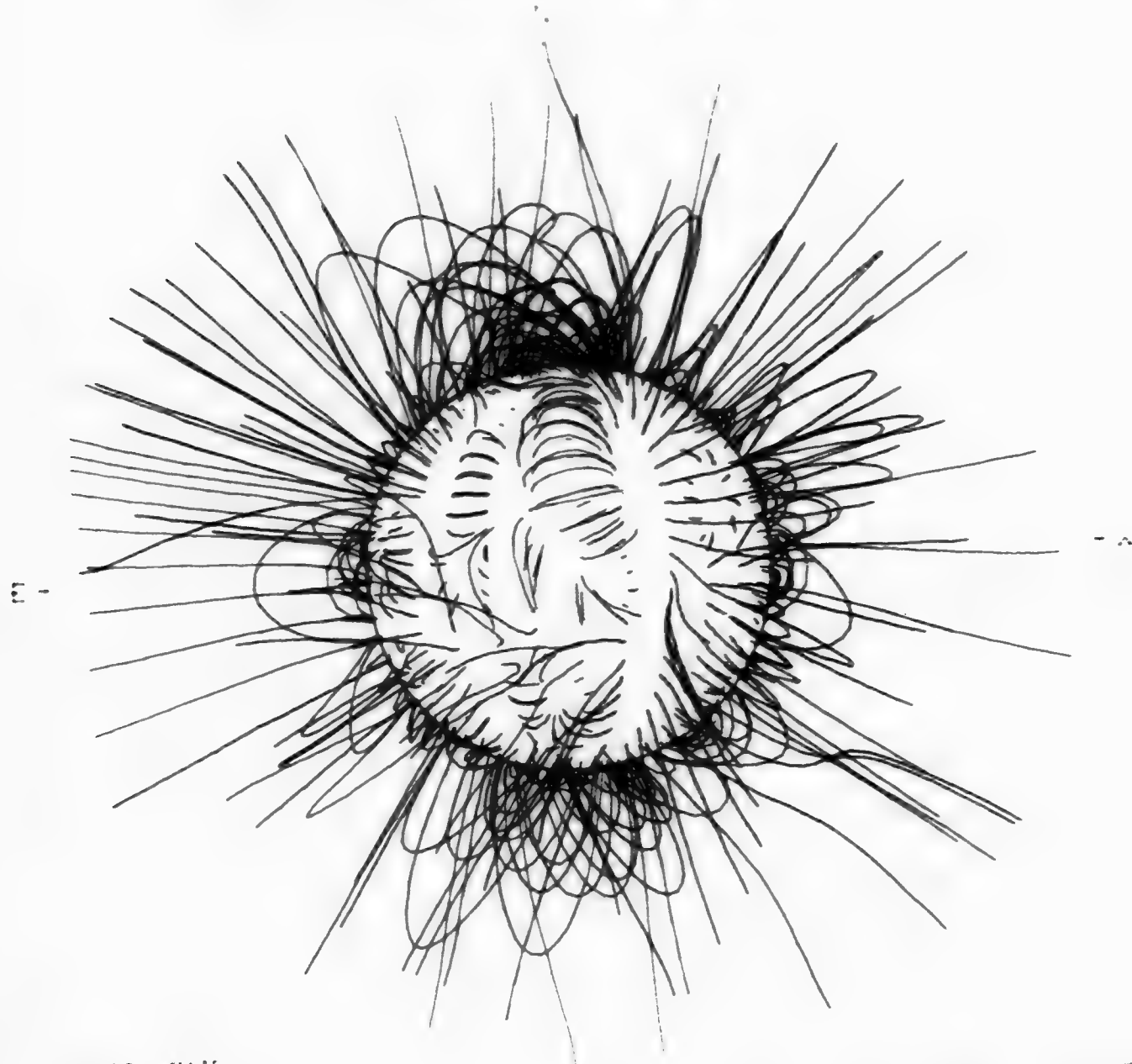
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALES STREET
 HALE AND HALE

HALE OBSERVATORY
 HALES STREET
 HALE AND HALE

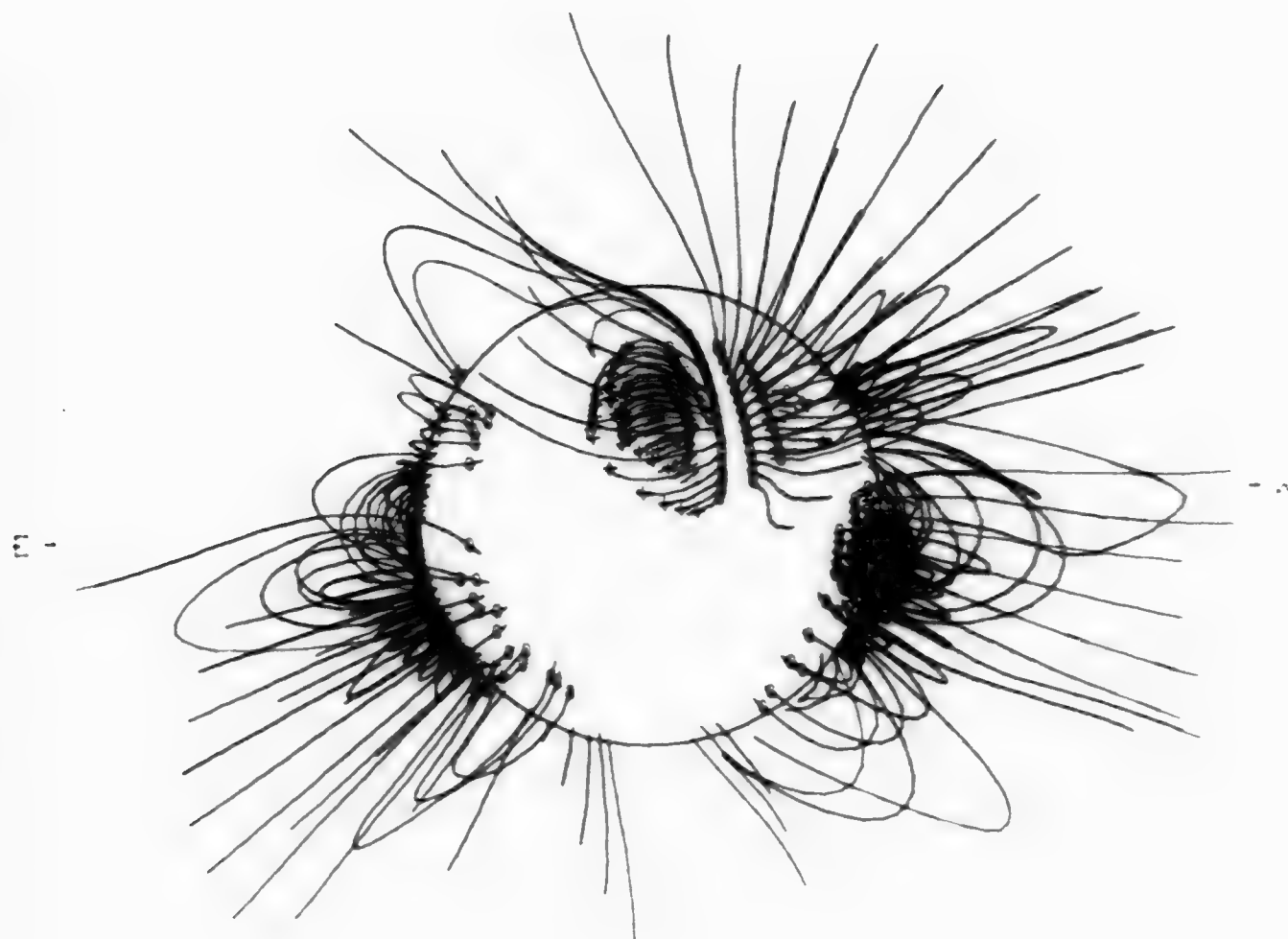
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY. FAIR
 PILES DIRE.
 DATA WIND 1500.00

ALTY. FAIR
 PILES DIRE.
 DATA WIND 1500.00

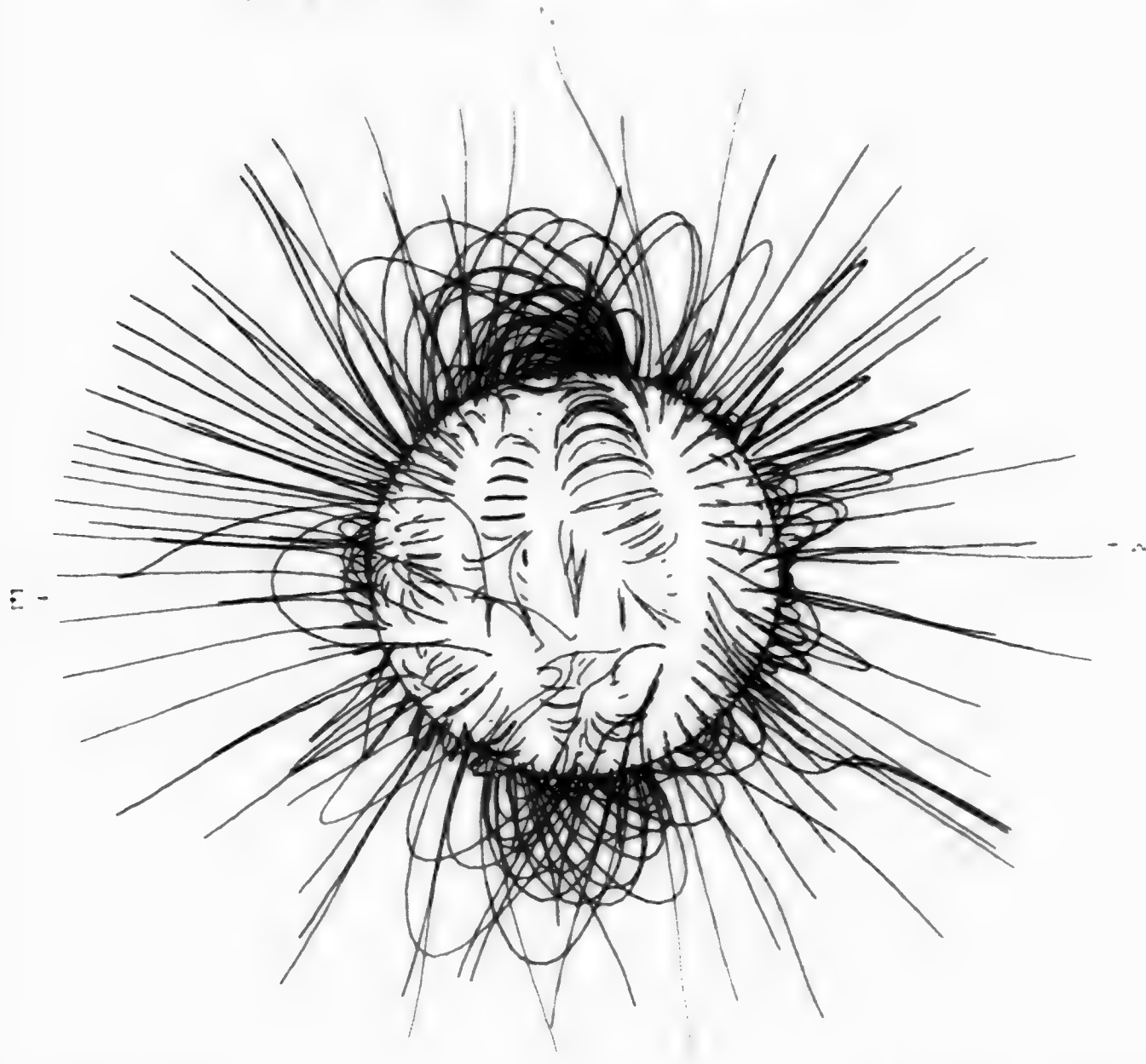
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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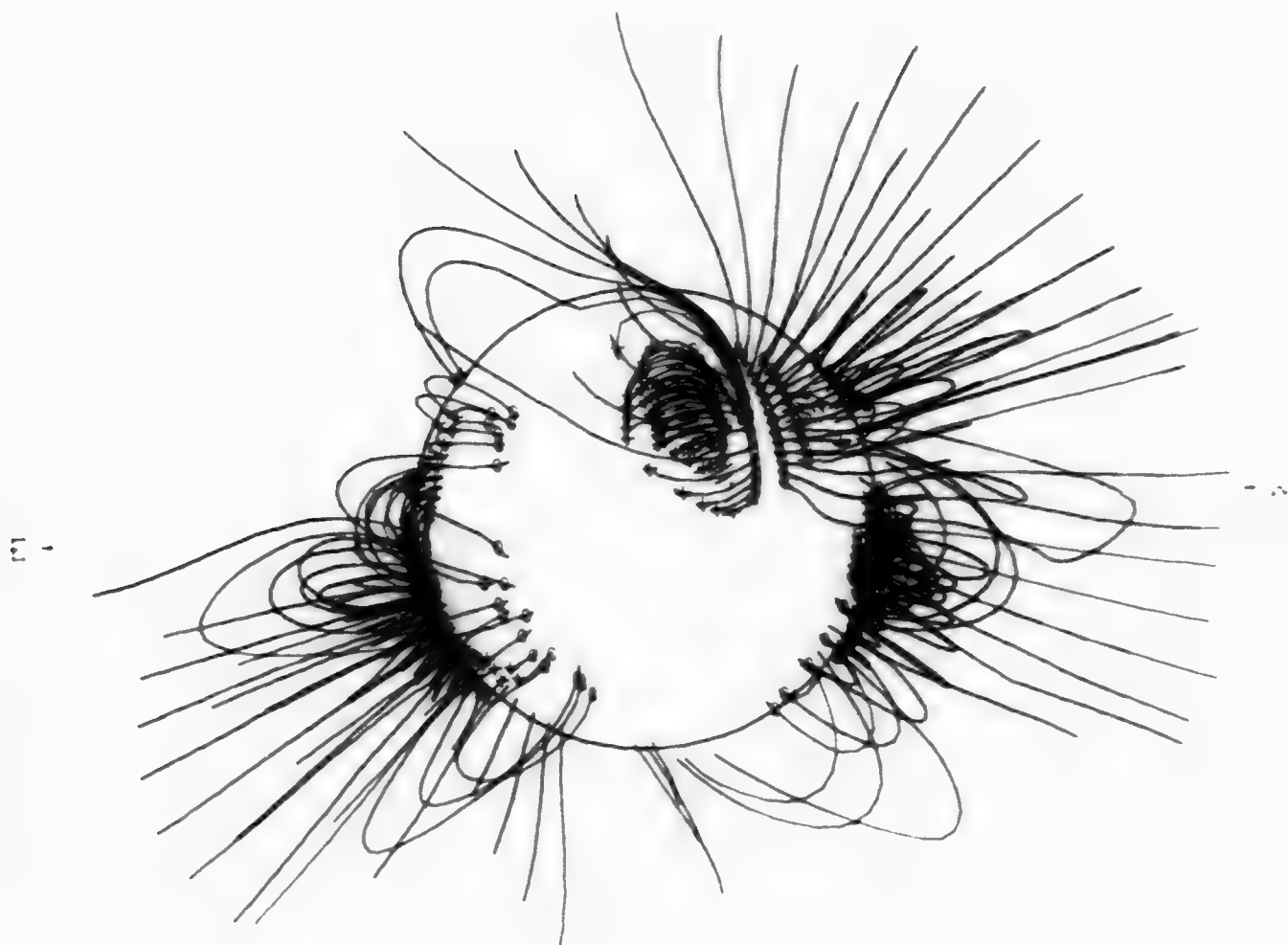
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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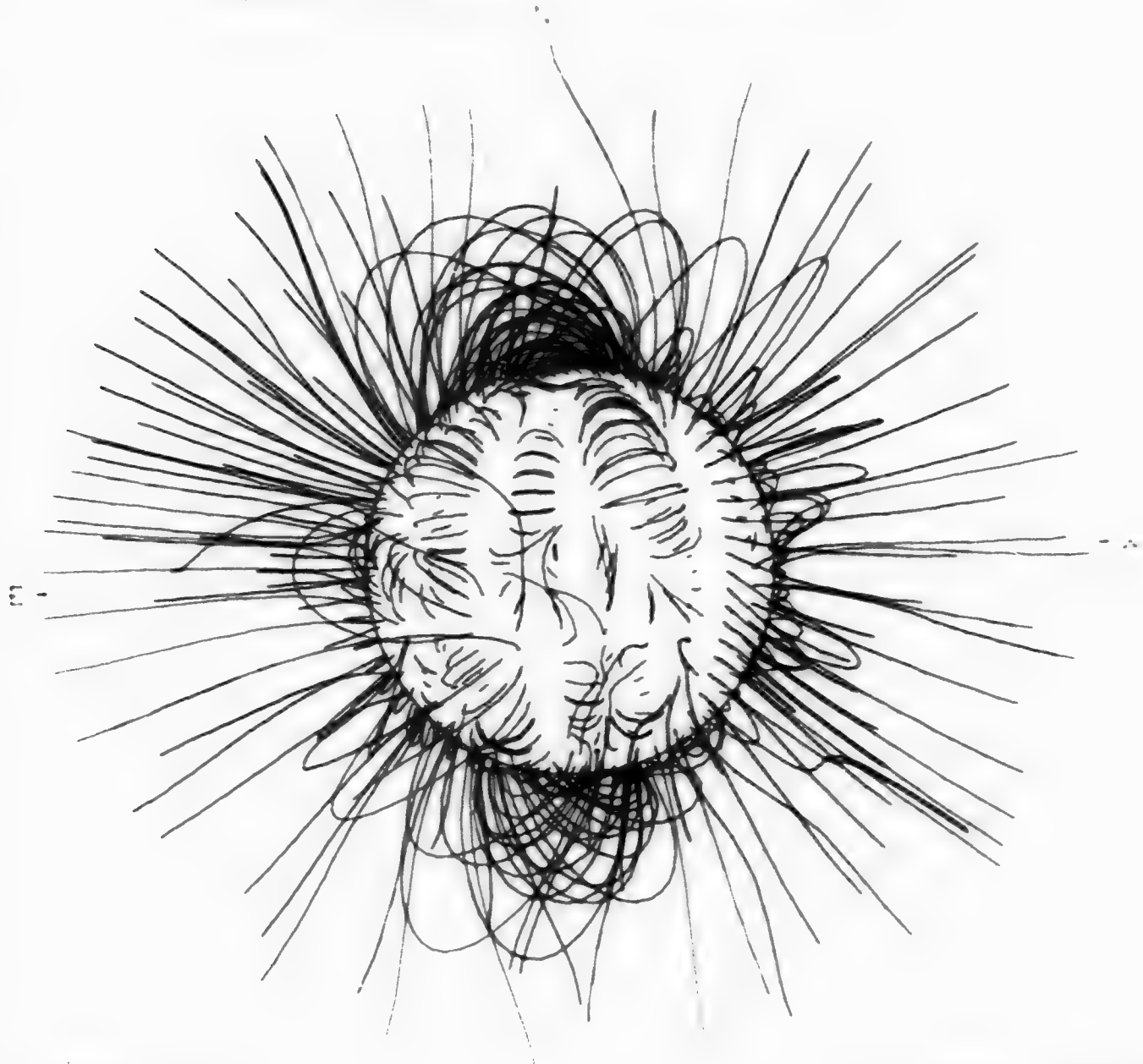
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTA 1215
PALEO 1215
DATA AND IN 1500.00

ALTA 1215
PALEO 1215
DATA AND IN 1500.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

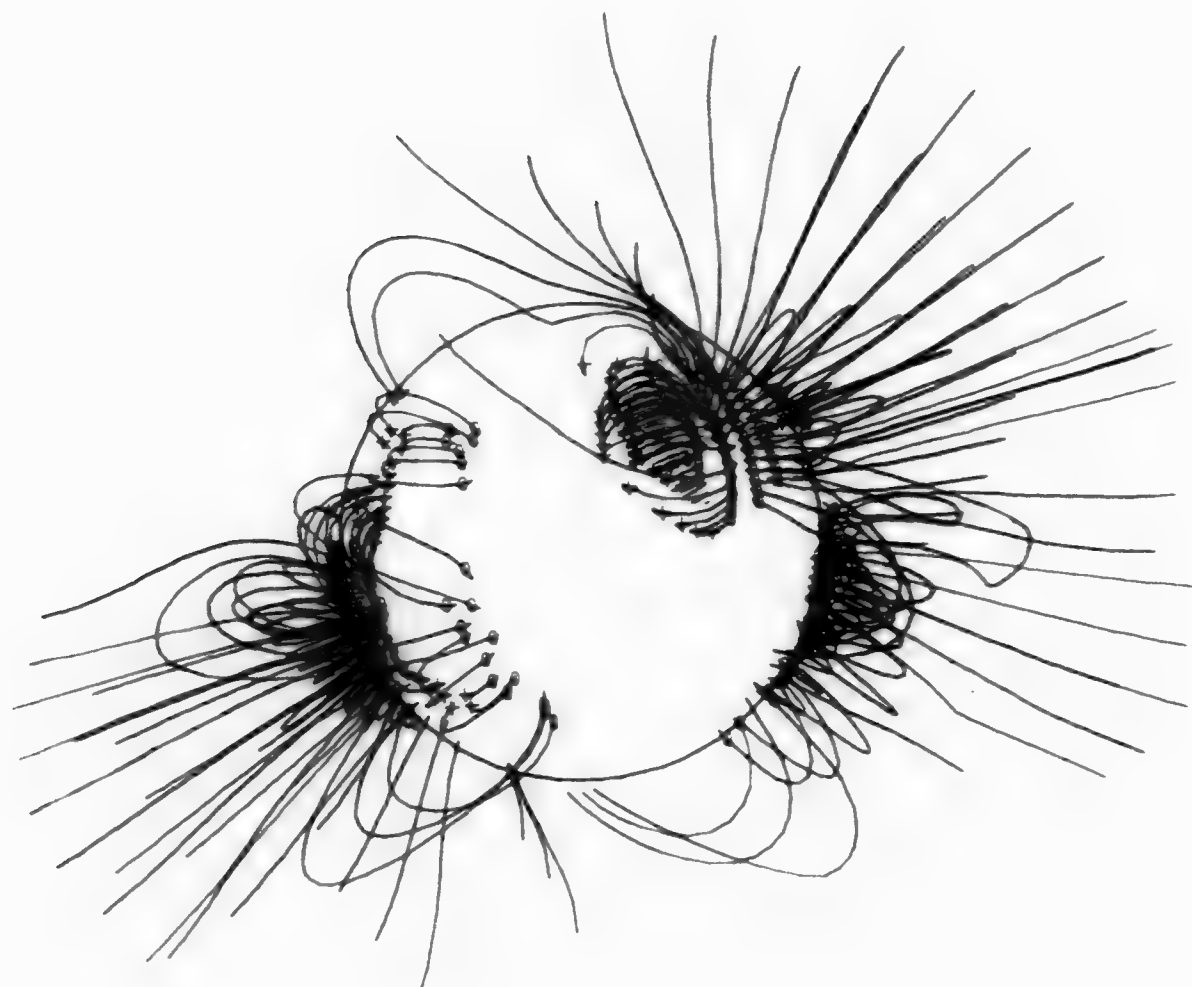


HALE, PAH
HALE, PAH
HALE, PAH

HALE, PAH
HALE, PAH
HALE, PAH

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

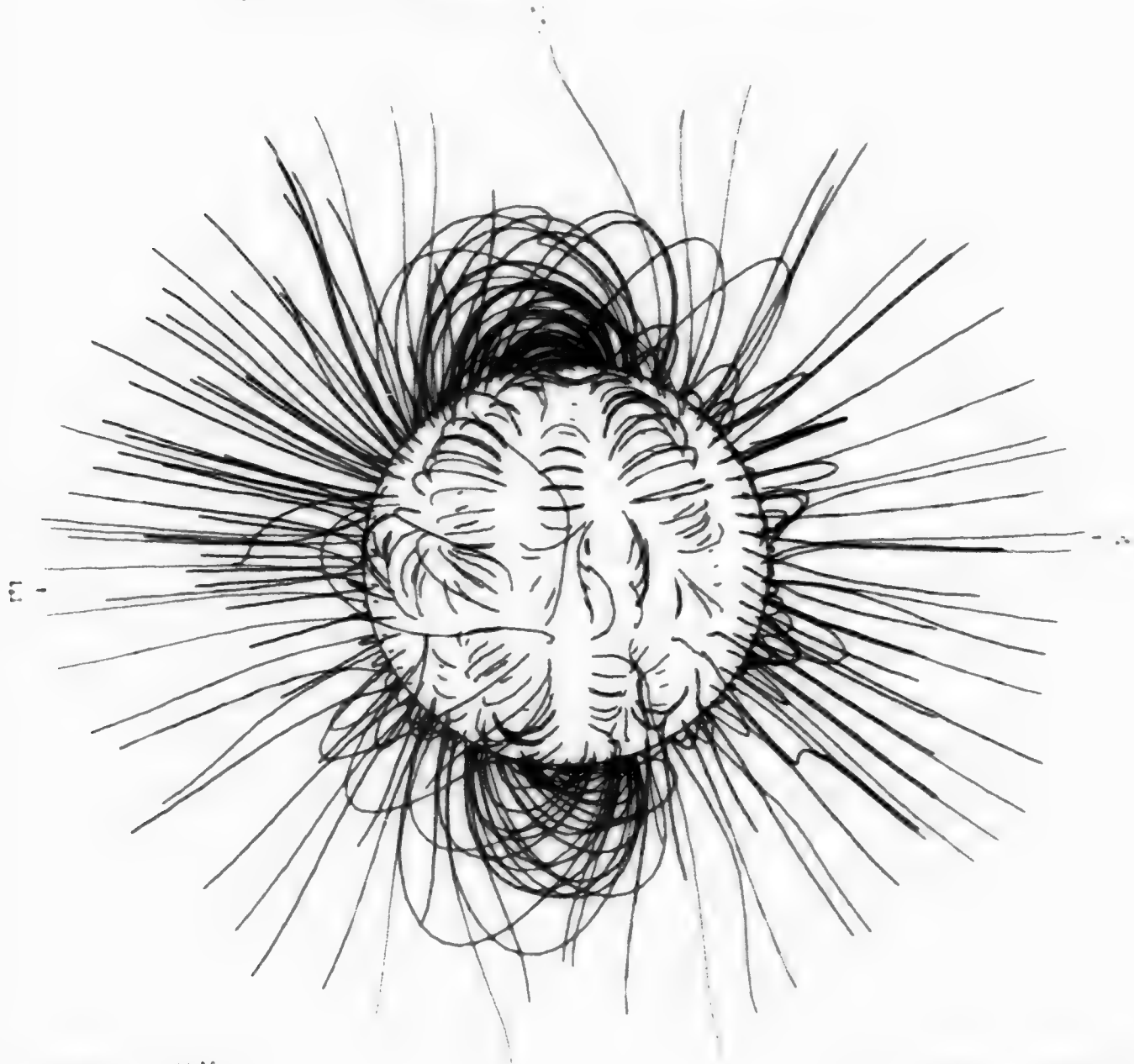
E -



ALPHA 1944
RUEB 1945
DATA 1946-1947

ALPHA 1944
RUEB 1945
DATA 1946-1947

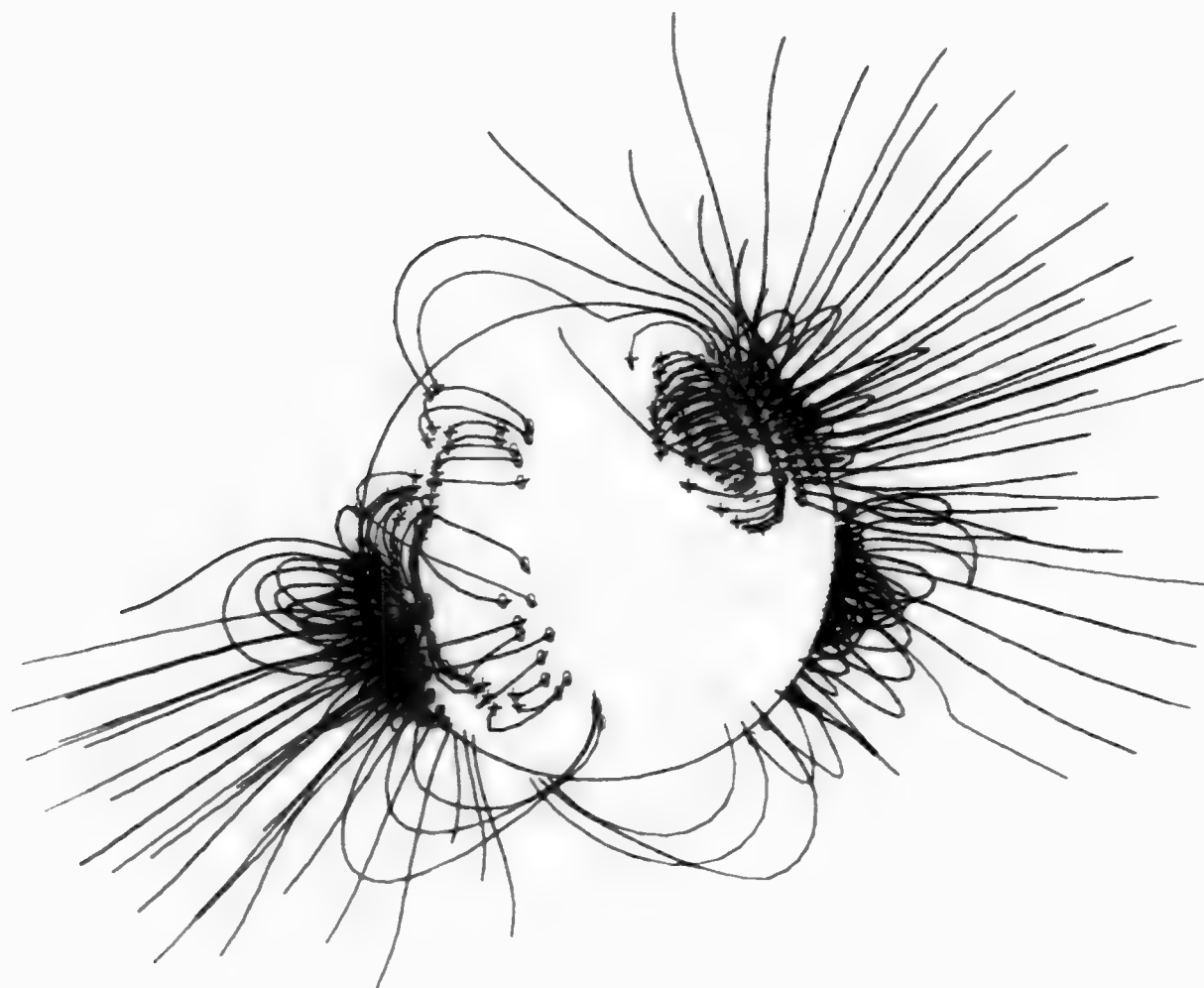
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, 1917, 1918
HALE, 1919, 1920
HALE, 1921, 1922

HALE, 1923, 1924
HALE, 1925, 1926

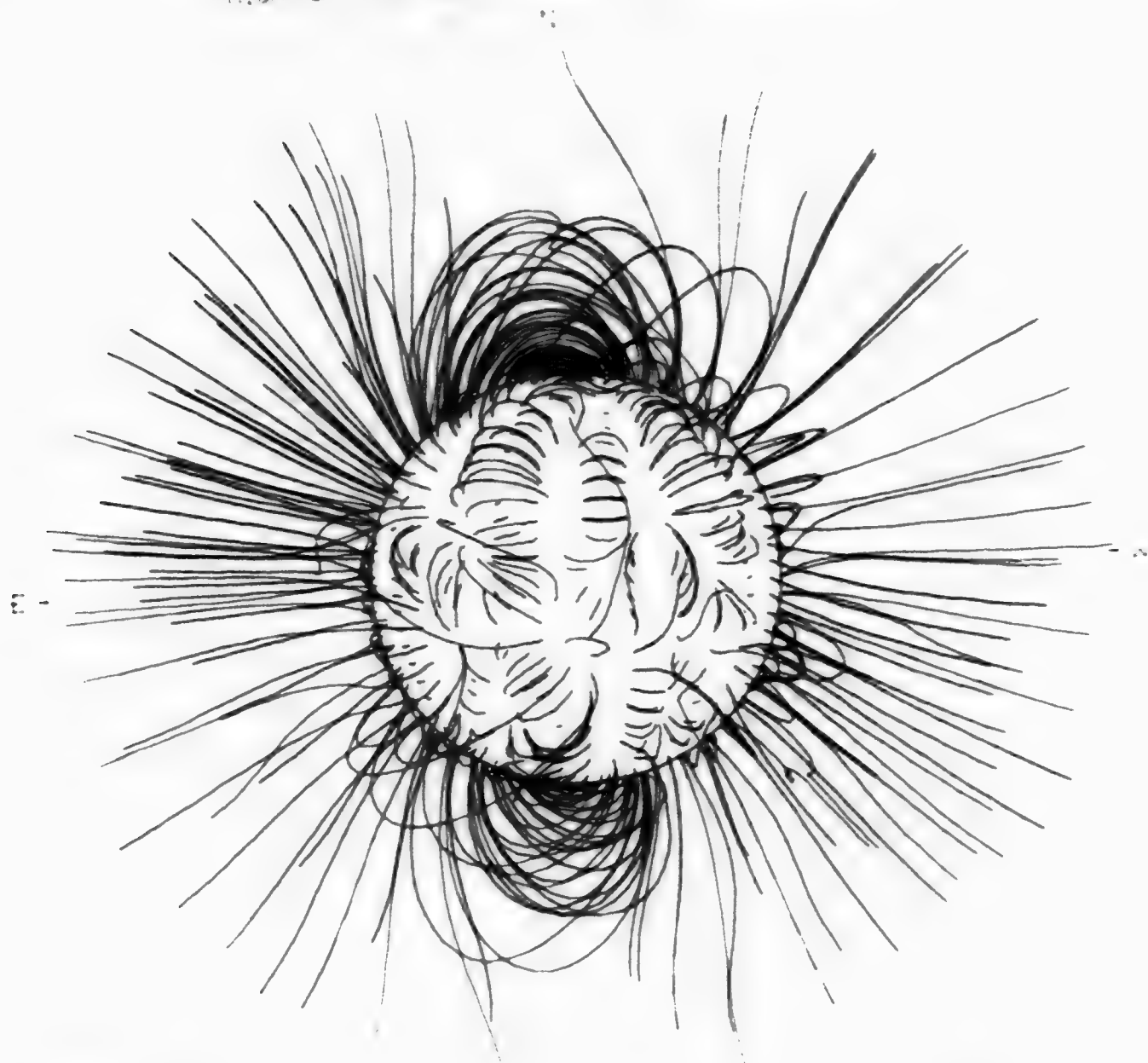
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTA PAH
 PLES PIPE
 DATA LINE IN 1924.00

ALTA PAH
 PLES PIPE
 DATA LINE IN 1924.00

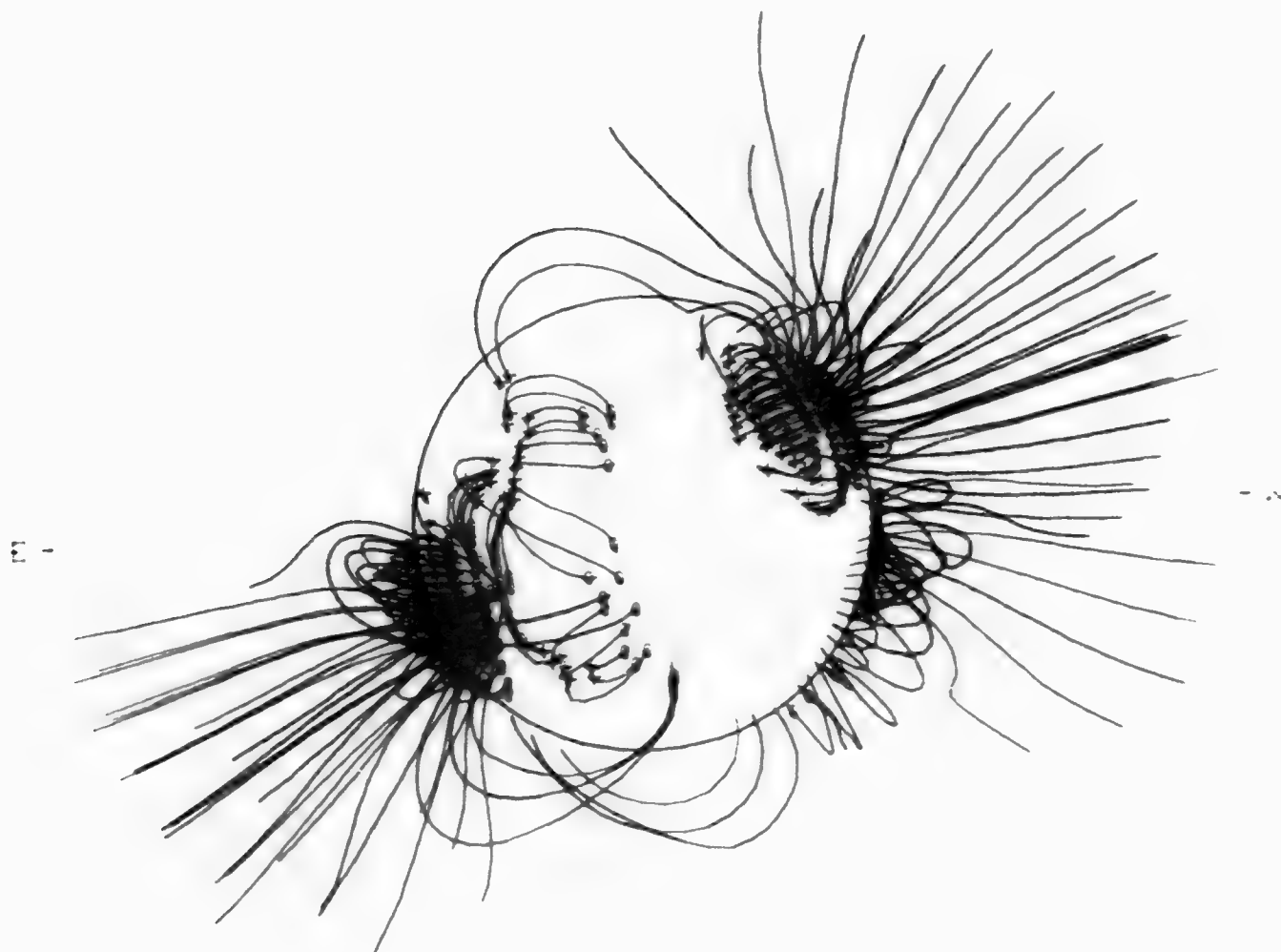
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES

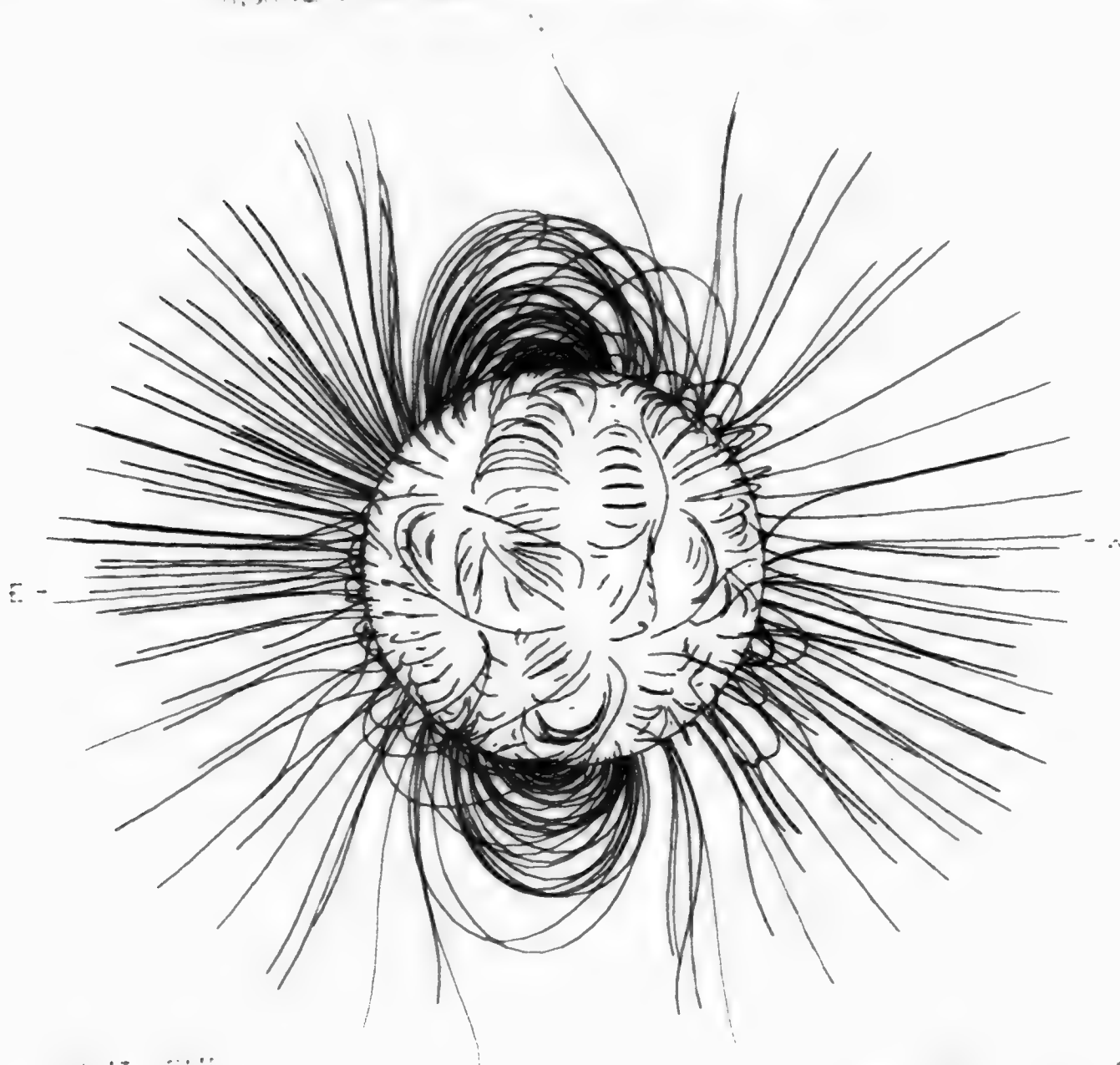
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

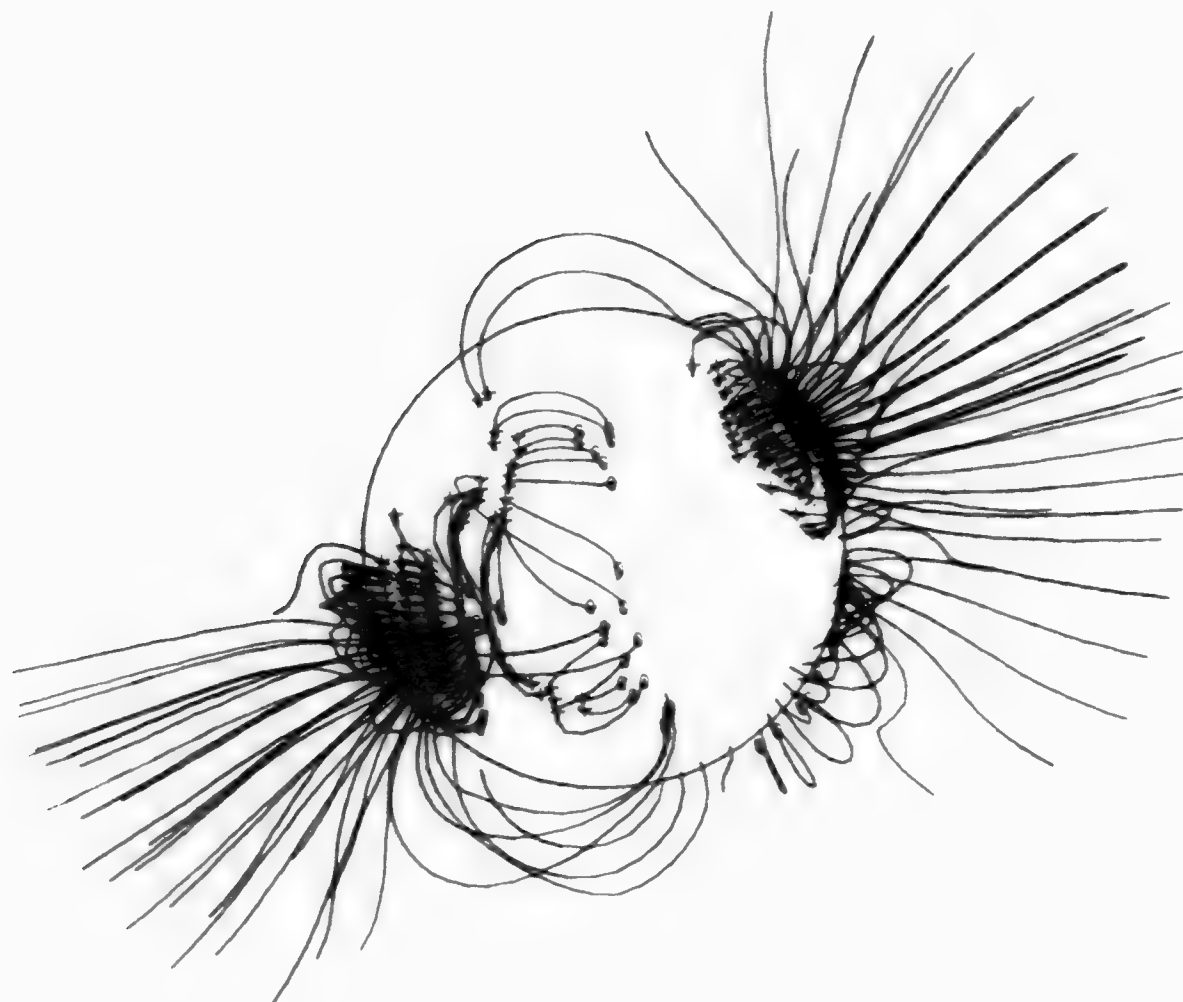
HIGH ALTITUDE OBSERVATIONS - HALE OBSERVATIONS



HALE, 1964
HALE, 1964
HALE, 1964

HALE, 1964
HALE, 1964
HALE, 1964

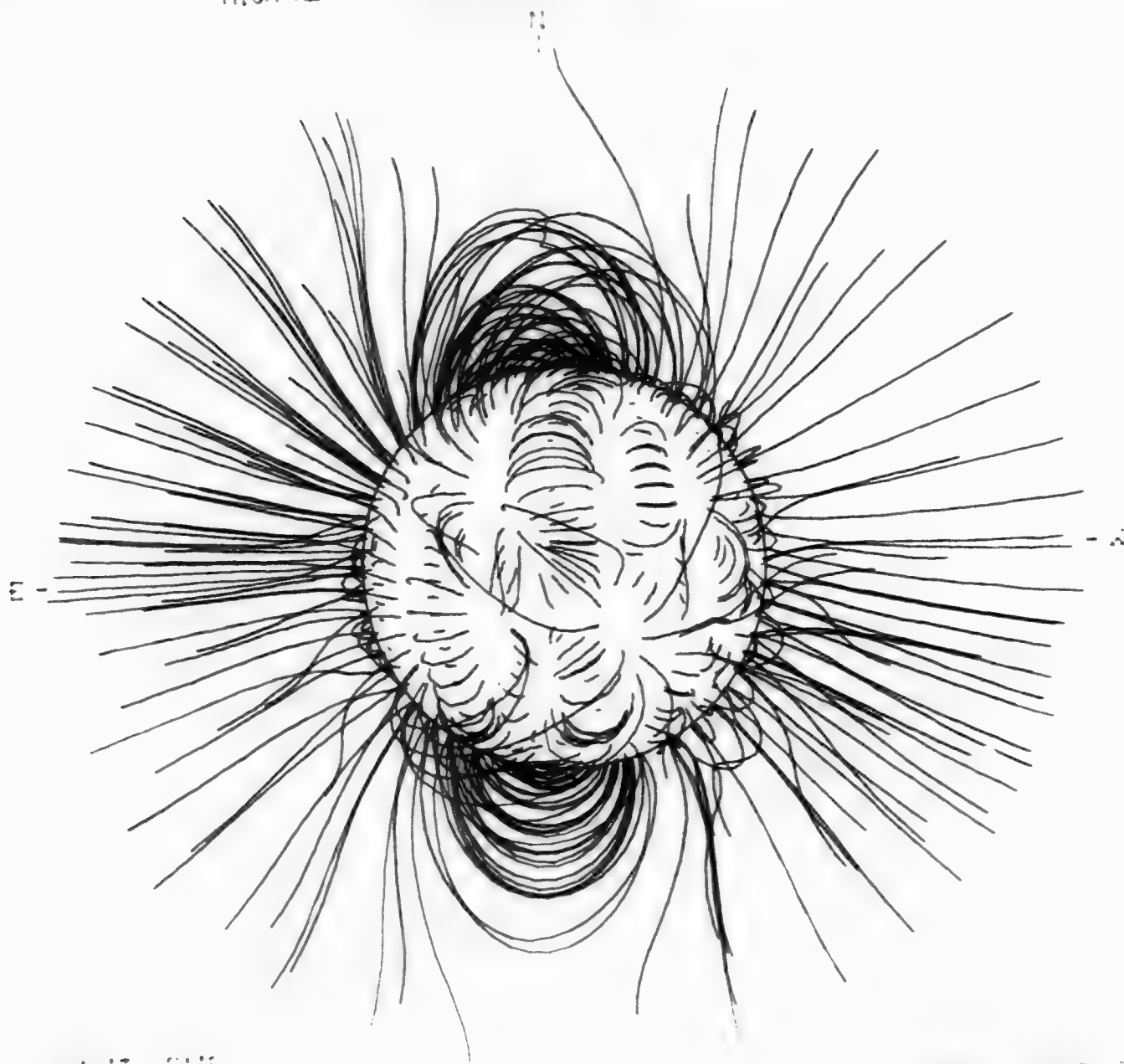
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 GREENWICH
 1908-1909

HALE OBSERVATORY
 GREENWICH
 1908-1909

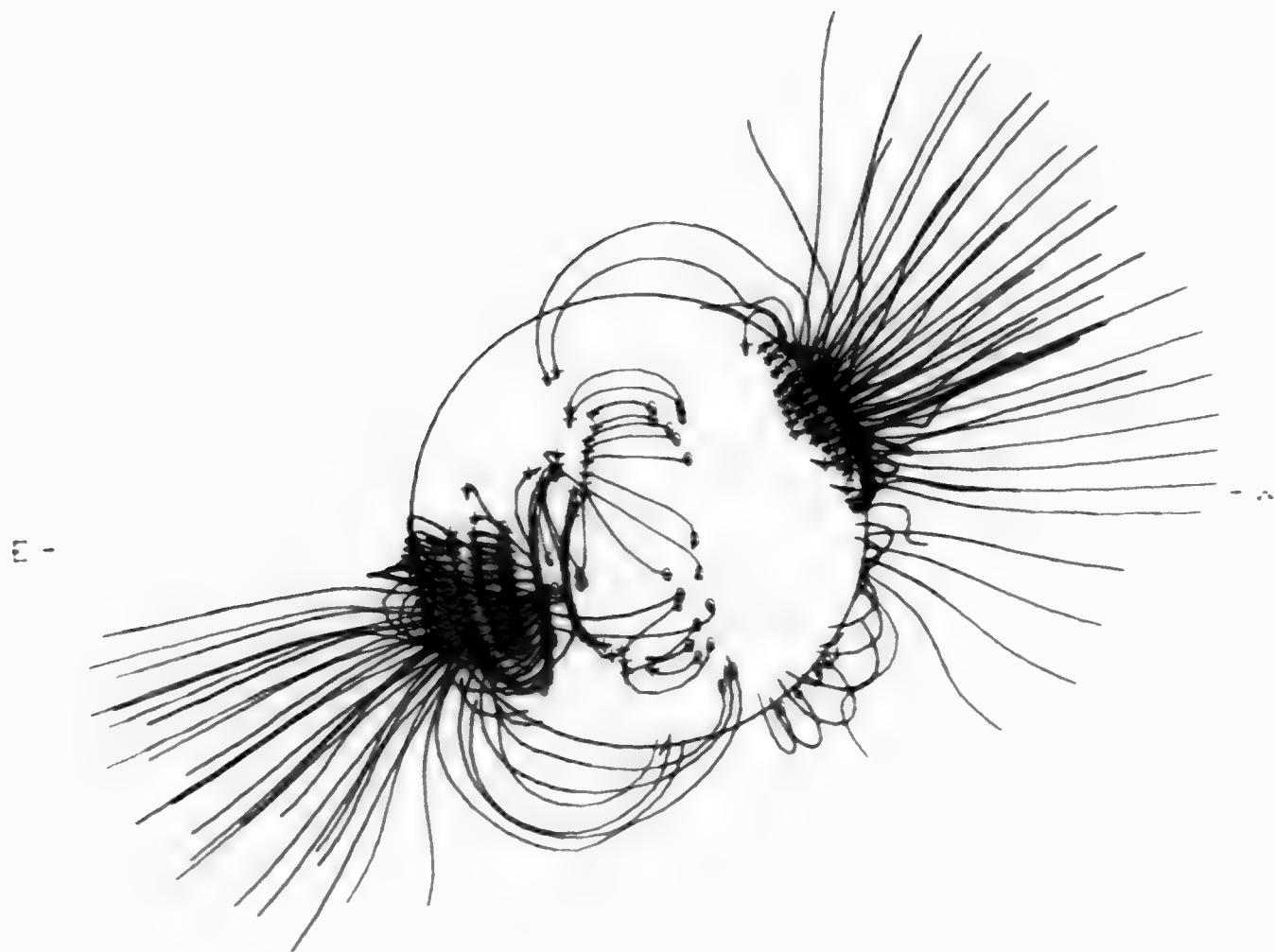
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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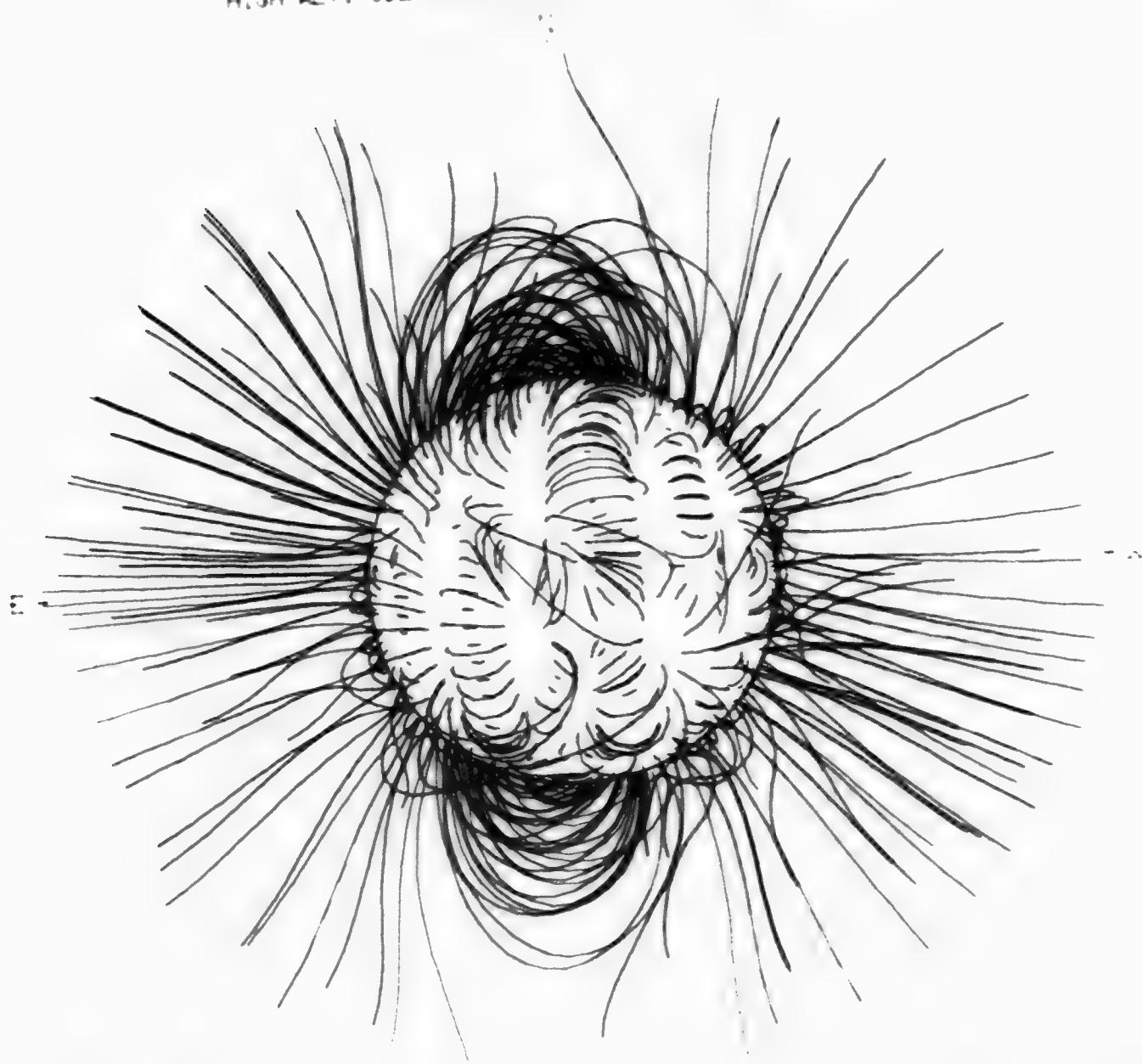
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

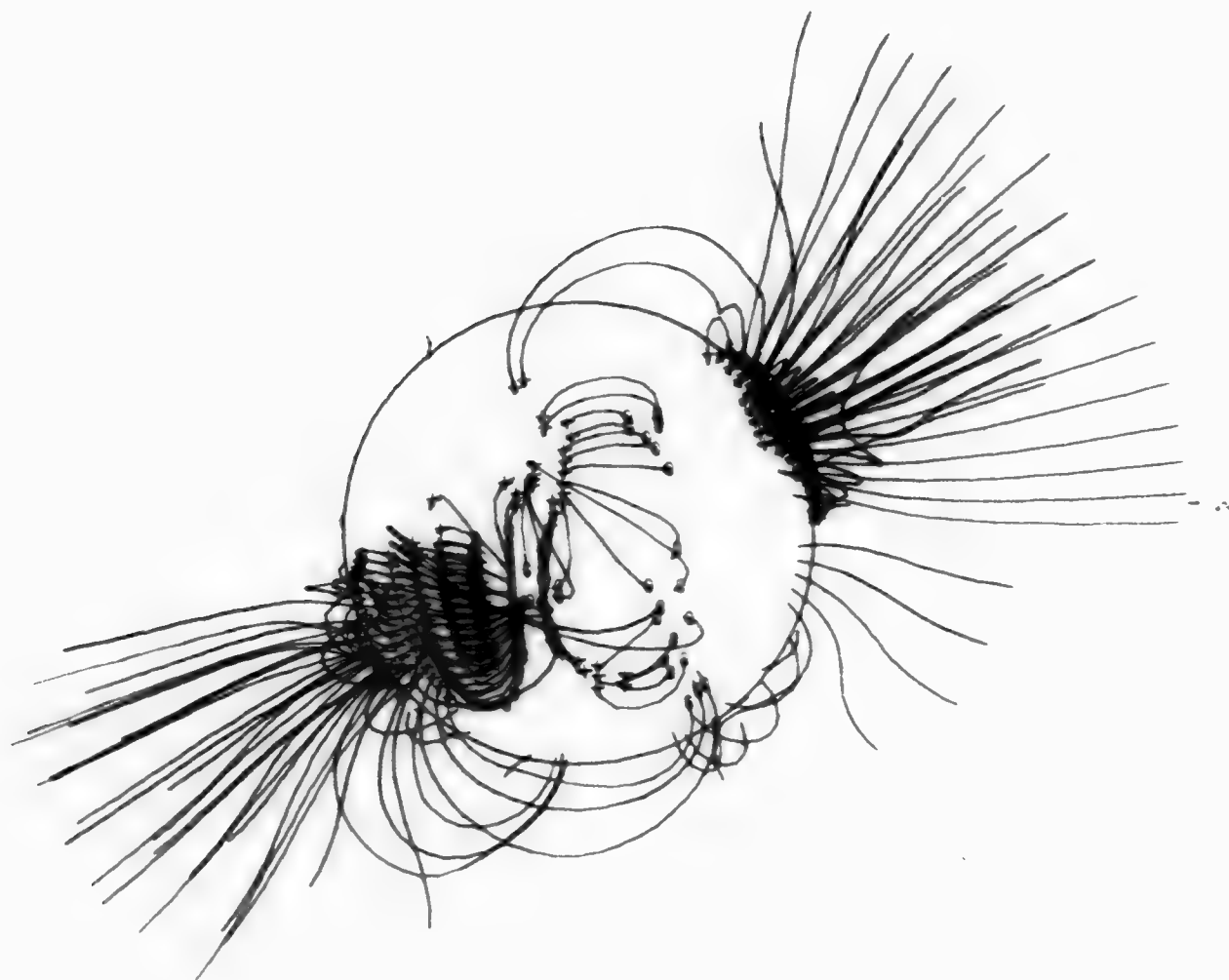
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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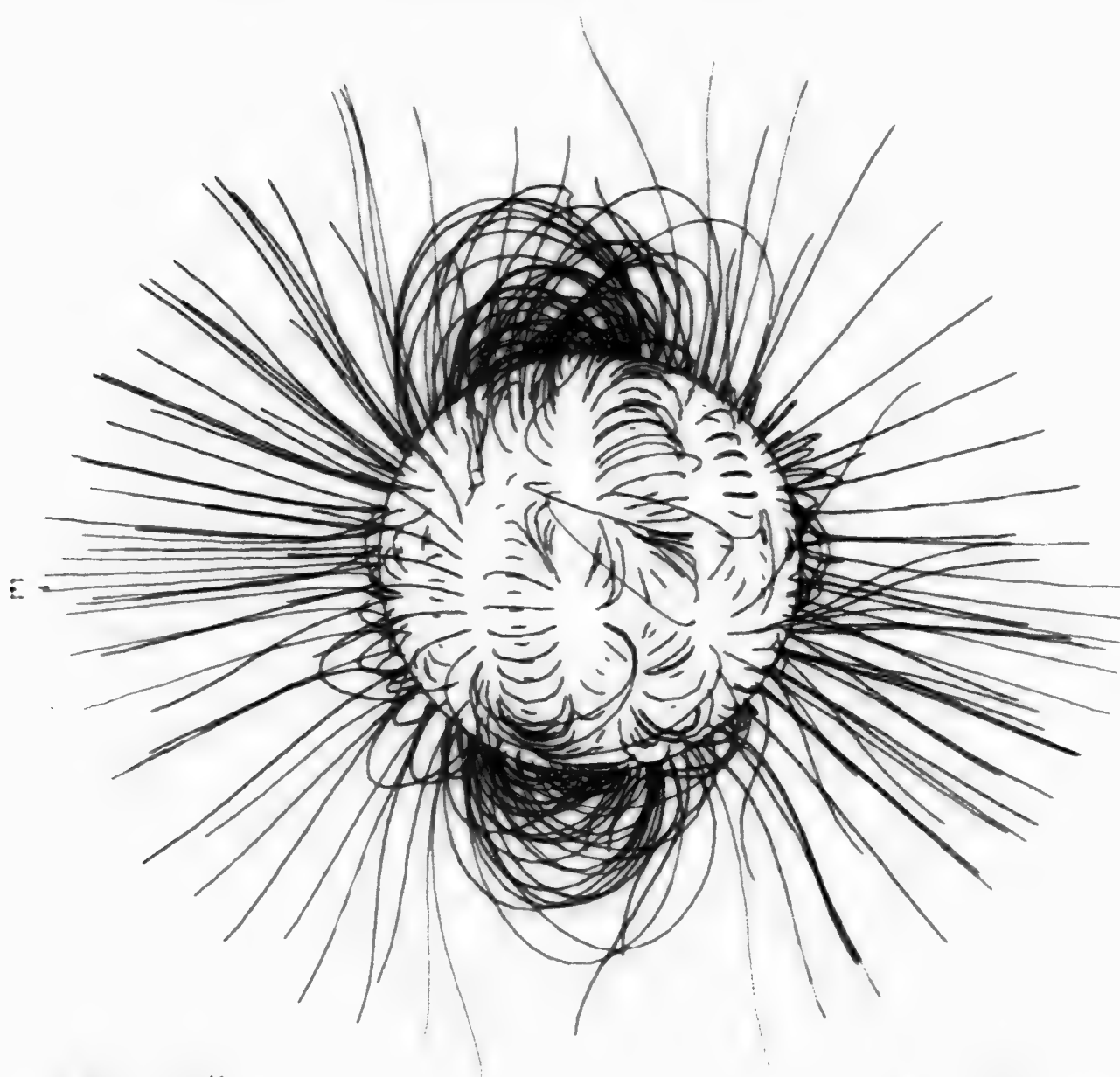
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, 1917
 HALE, 1918
 HALE, 1919

HALE, 1920
 HALE, 1921
 HALE, 1922

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

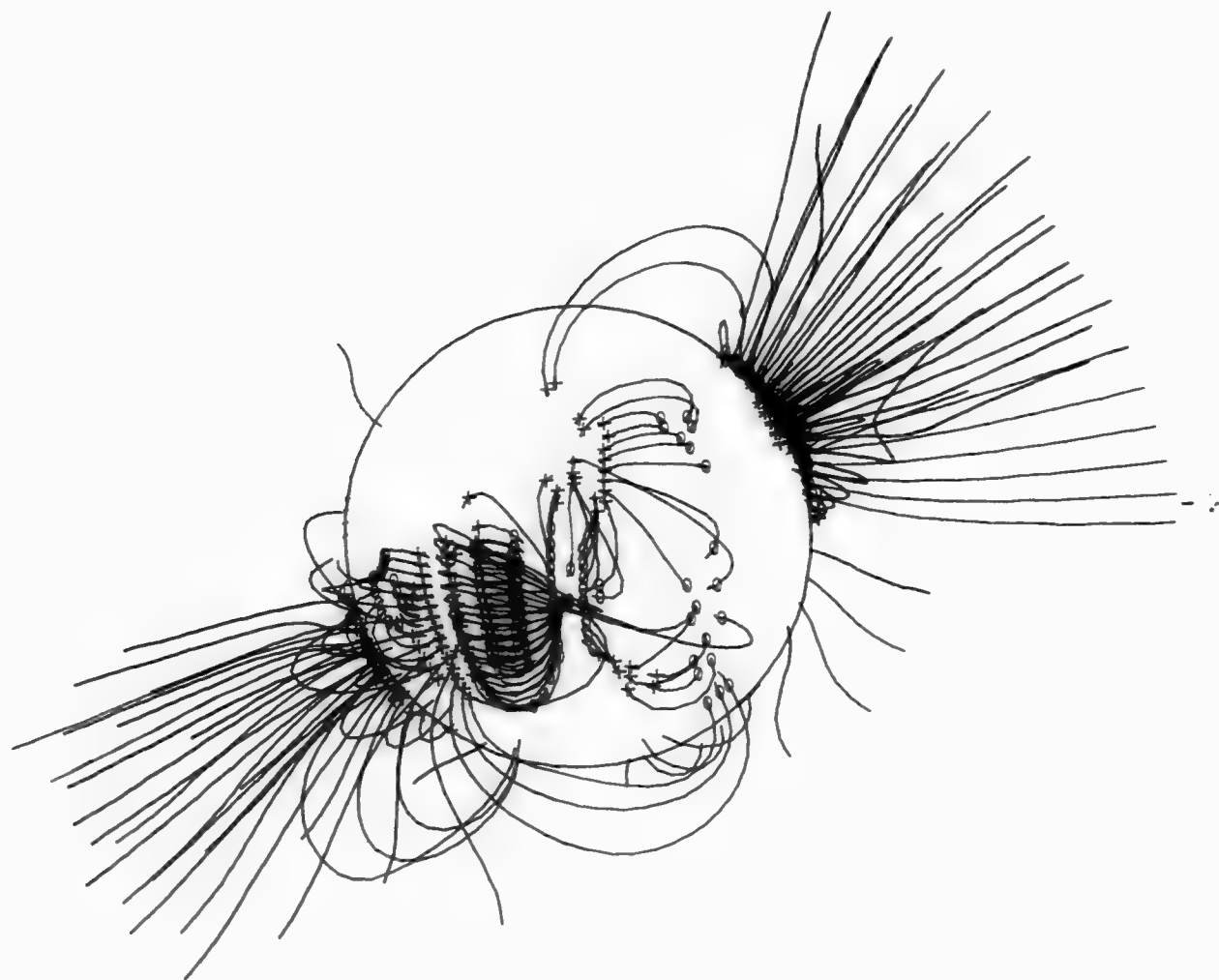


HALE OBSERVATORY
SUN OBSERVATORY
SUN OBSERVATORY

HALE OBSERVATORY
SUN OBSERVATORY
SUN OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

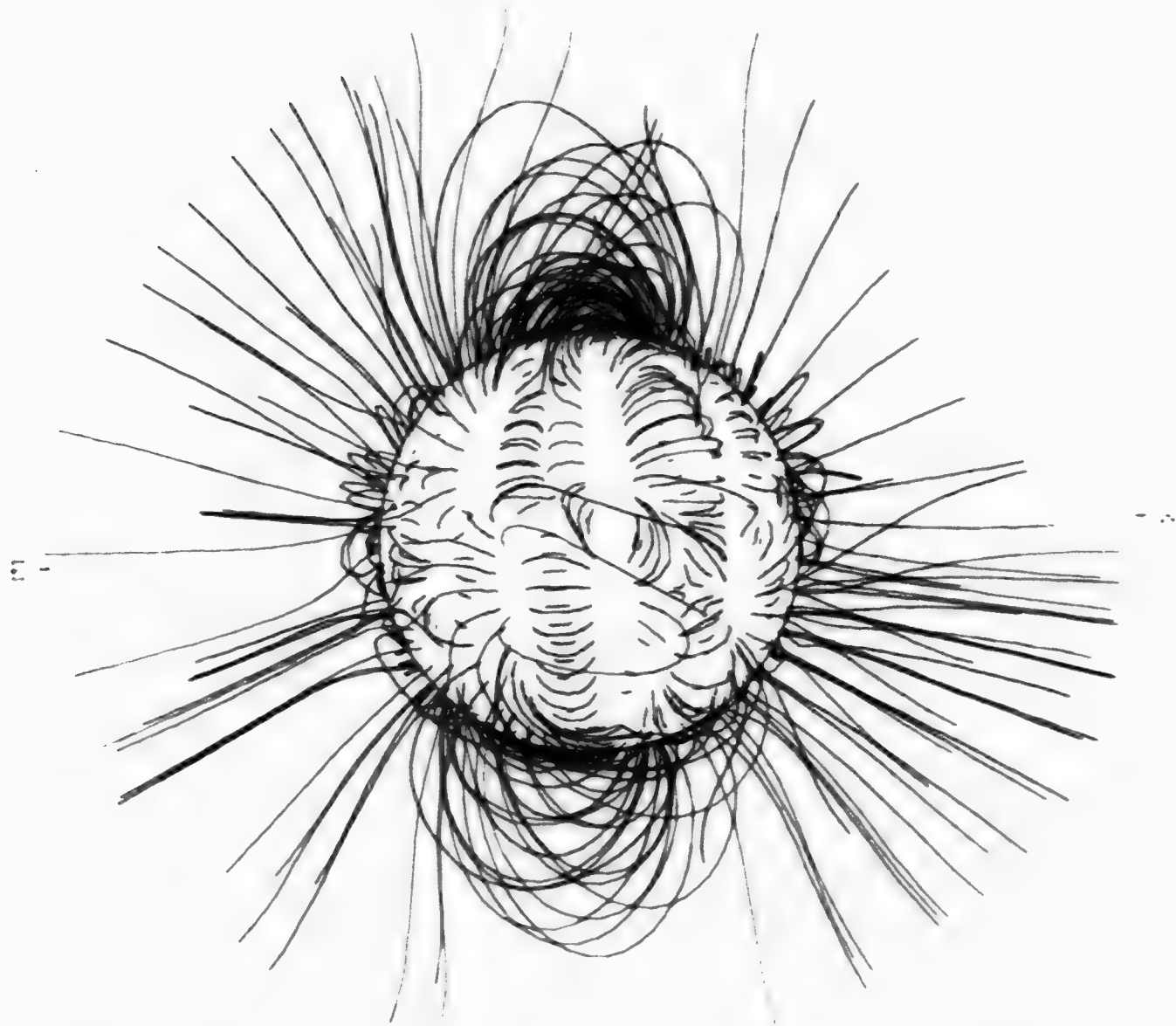
E -



QUALITY FAIR
FILED DIRECT
DATA AND IN 1529.44

ALT. 1530 1.11. 270°
22.6 121 1.298

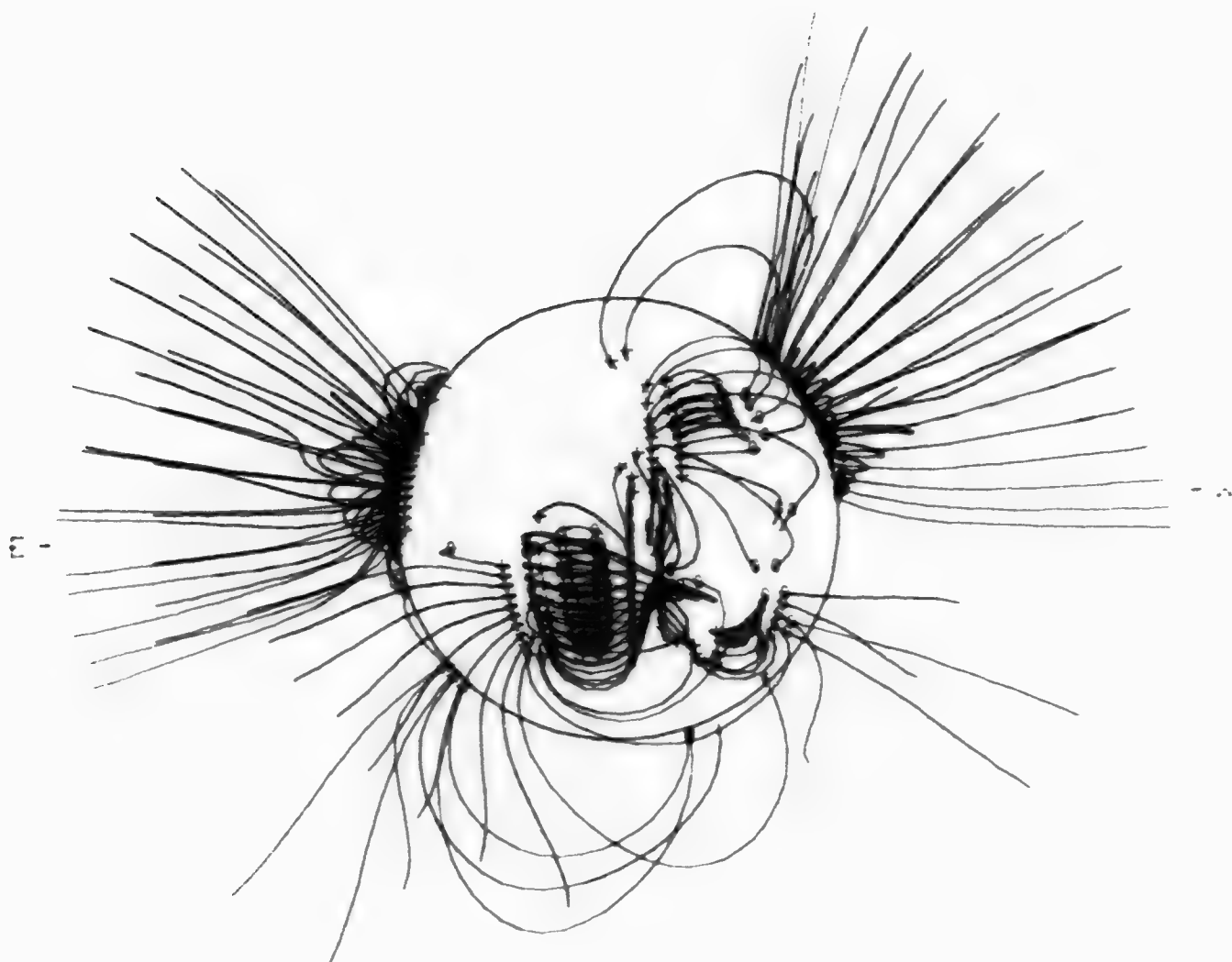
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

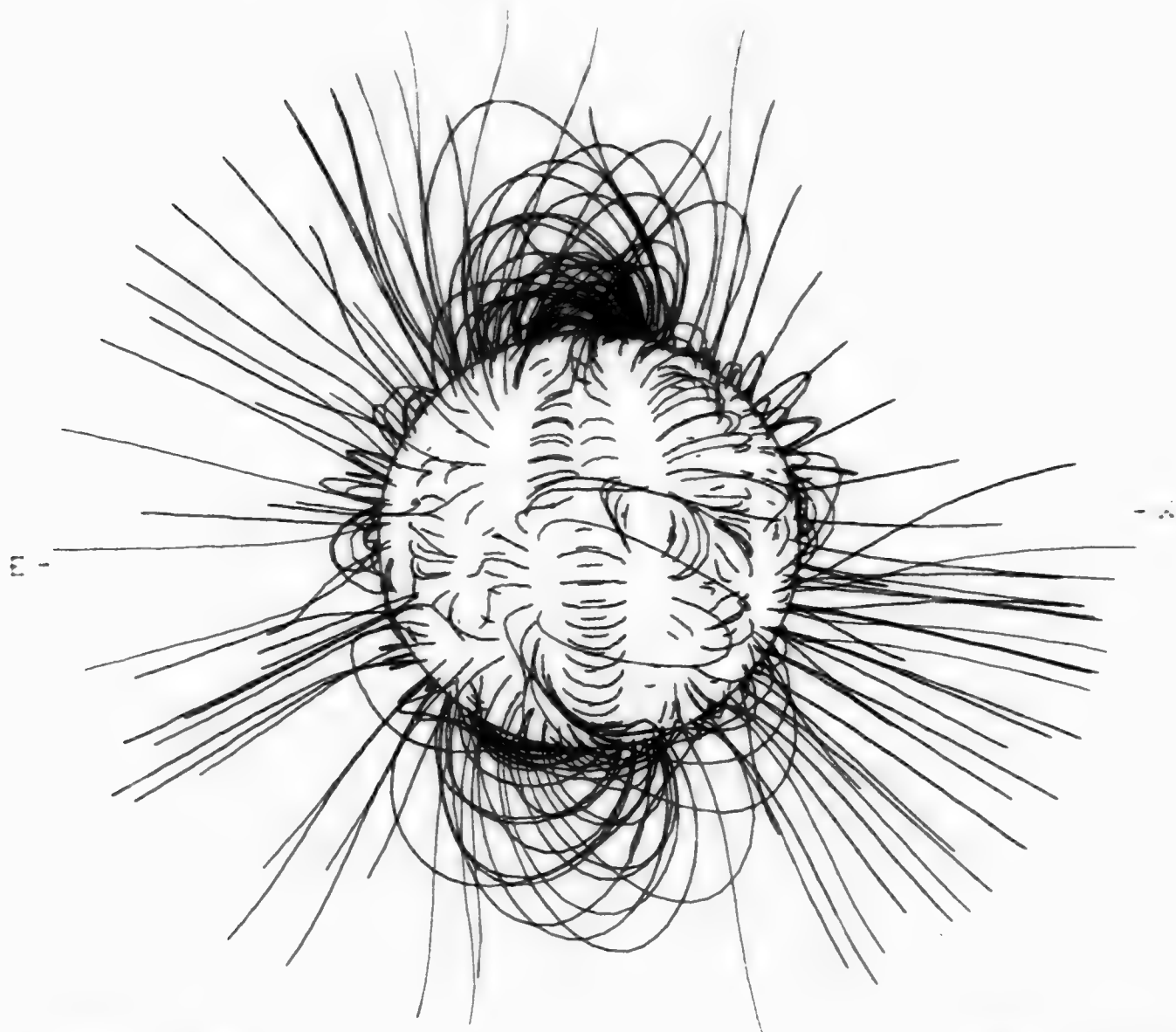
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

HALE OBSERVATORY
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

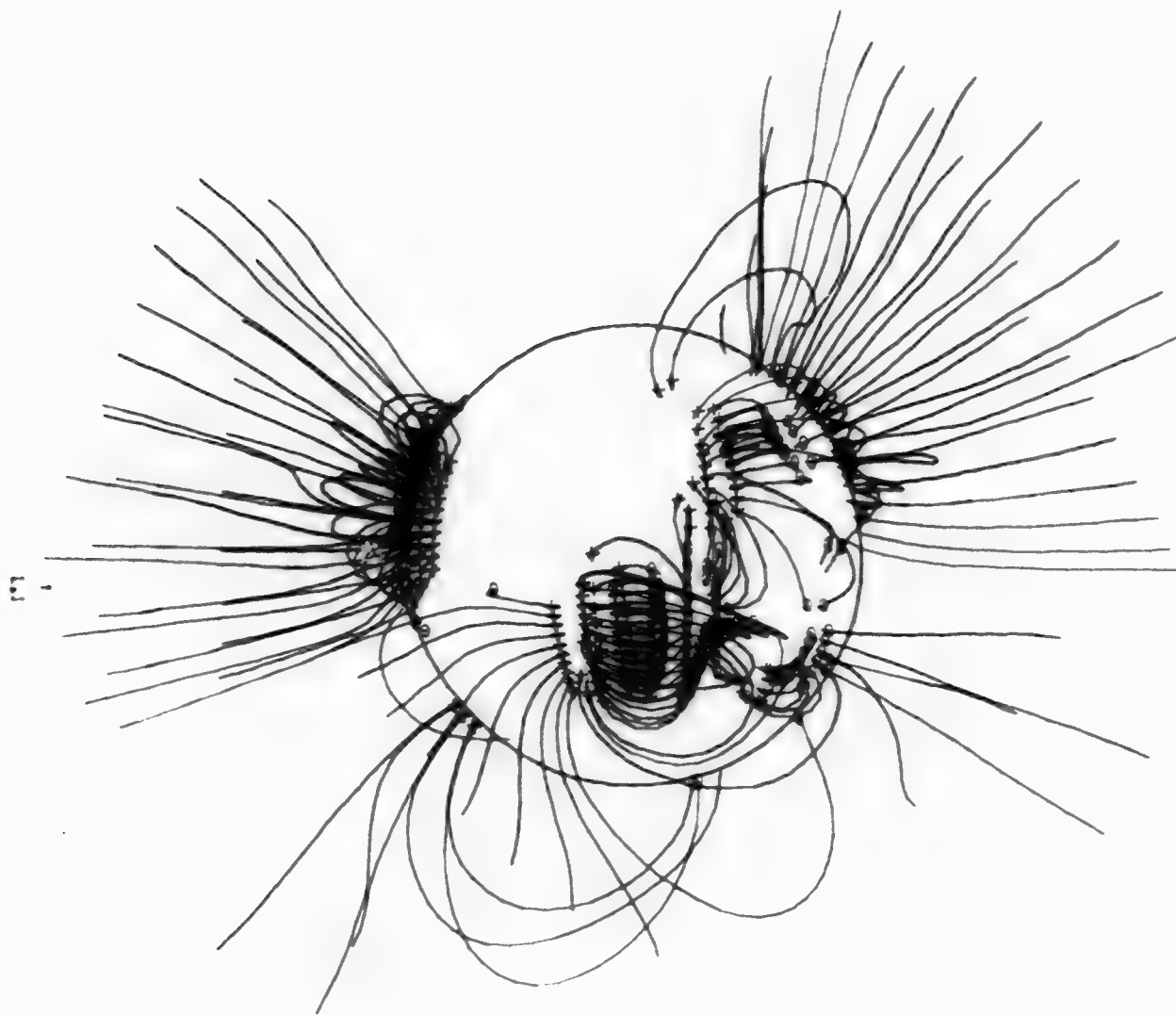
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA ANALYSIS 1964-74

HAILE OBSERVATORY
 HAILE OBSERVATORIES
 DATA ANALYSIS 1964-74

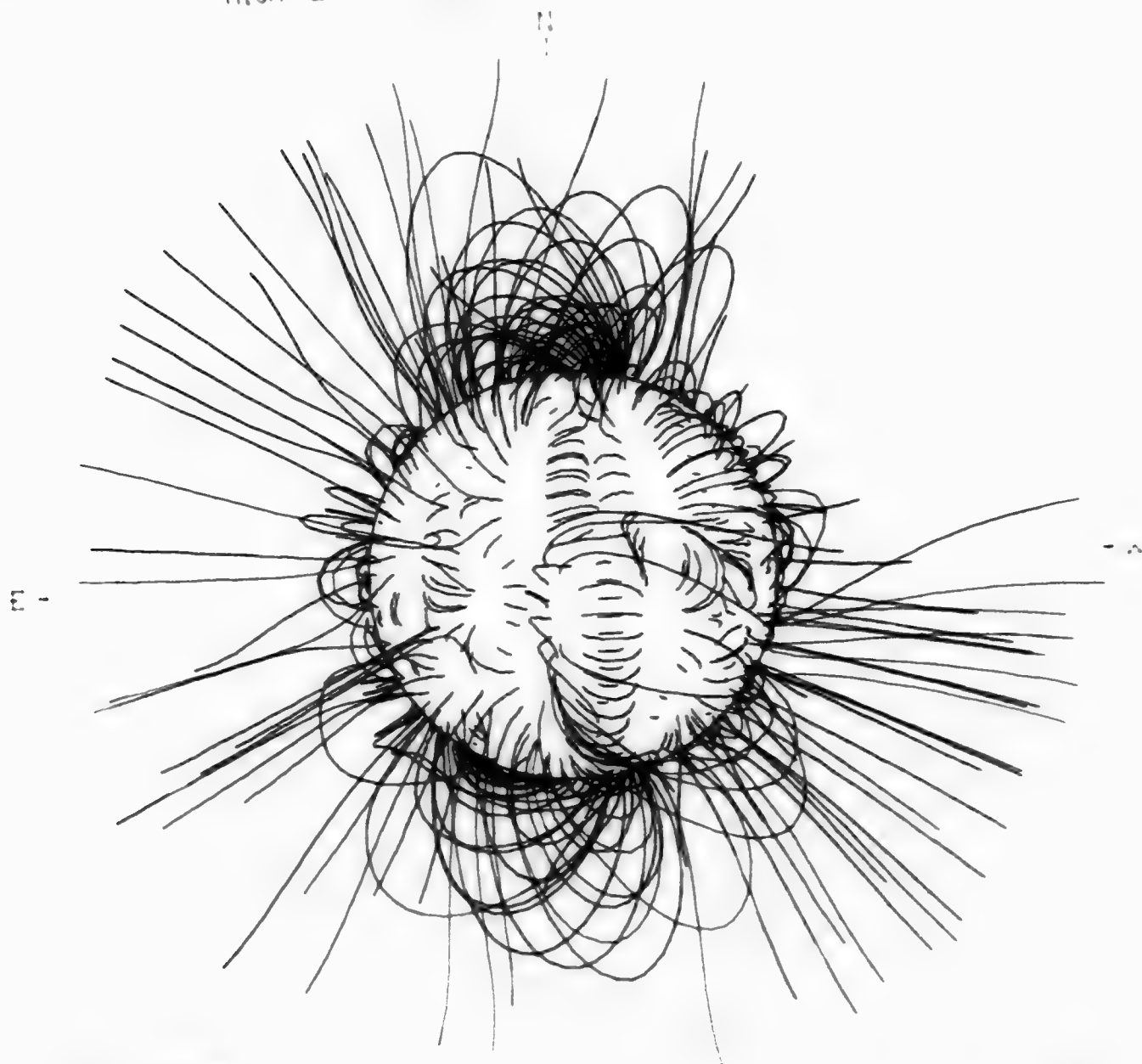
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOLAR OBSERVATORY
SOLAR OBSERVATORY

HALE OBSERVATORY
SOLAR OBSERVATORY
SOLAR OBSERVATORY

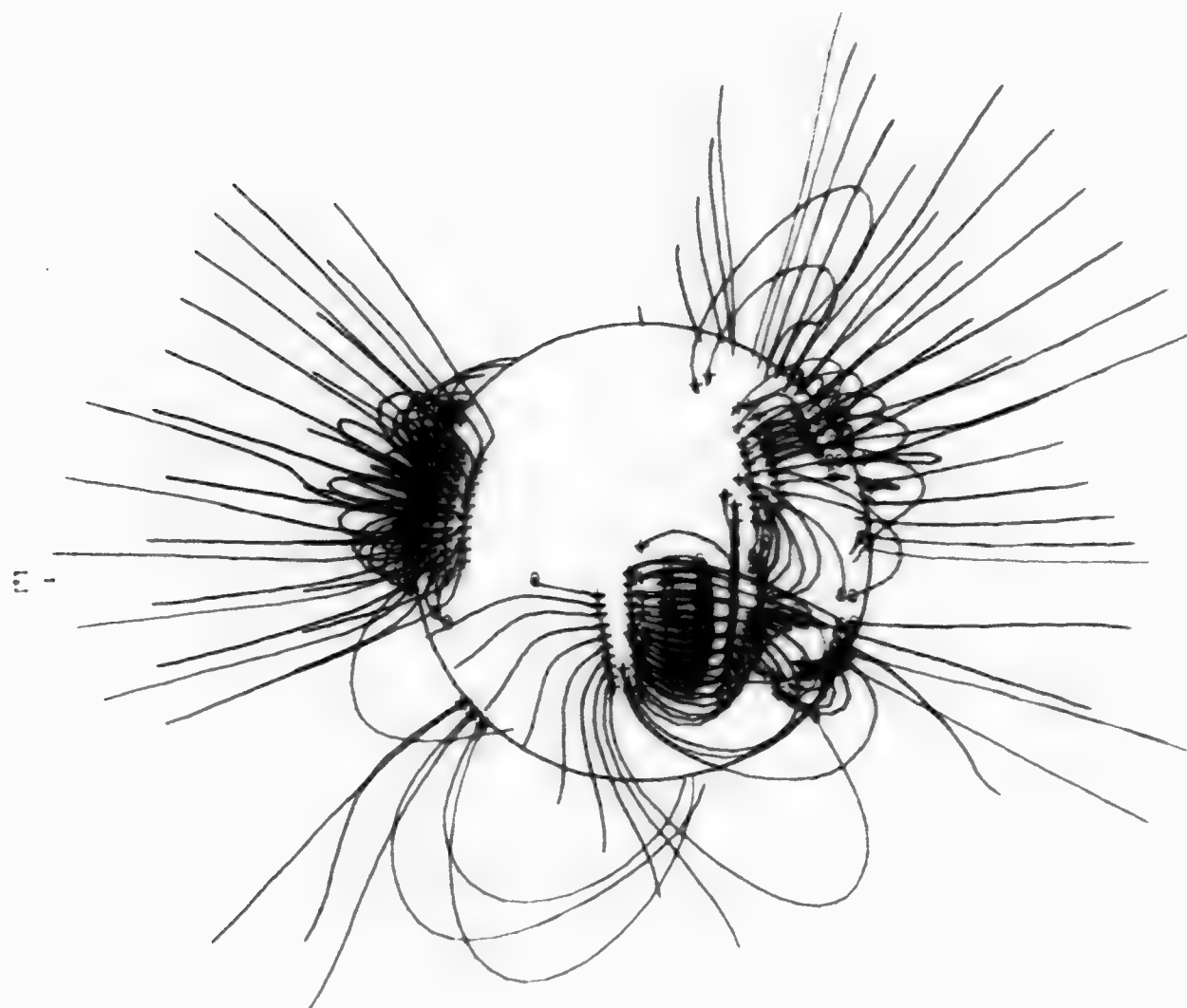
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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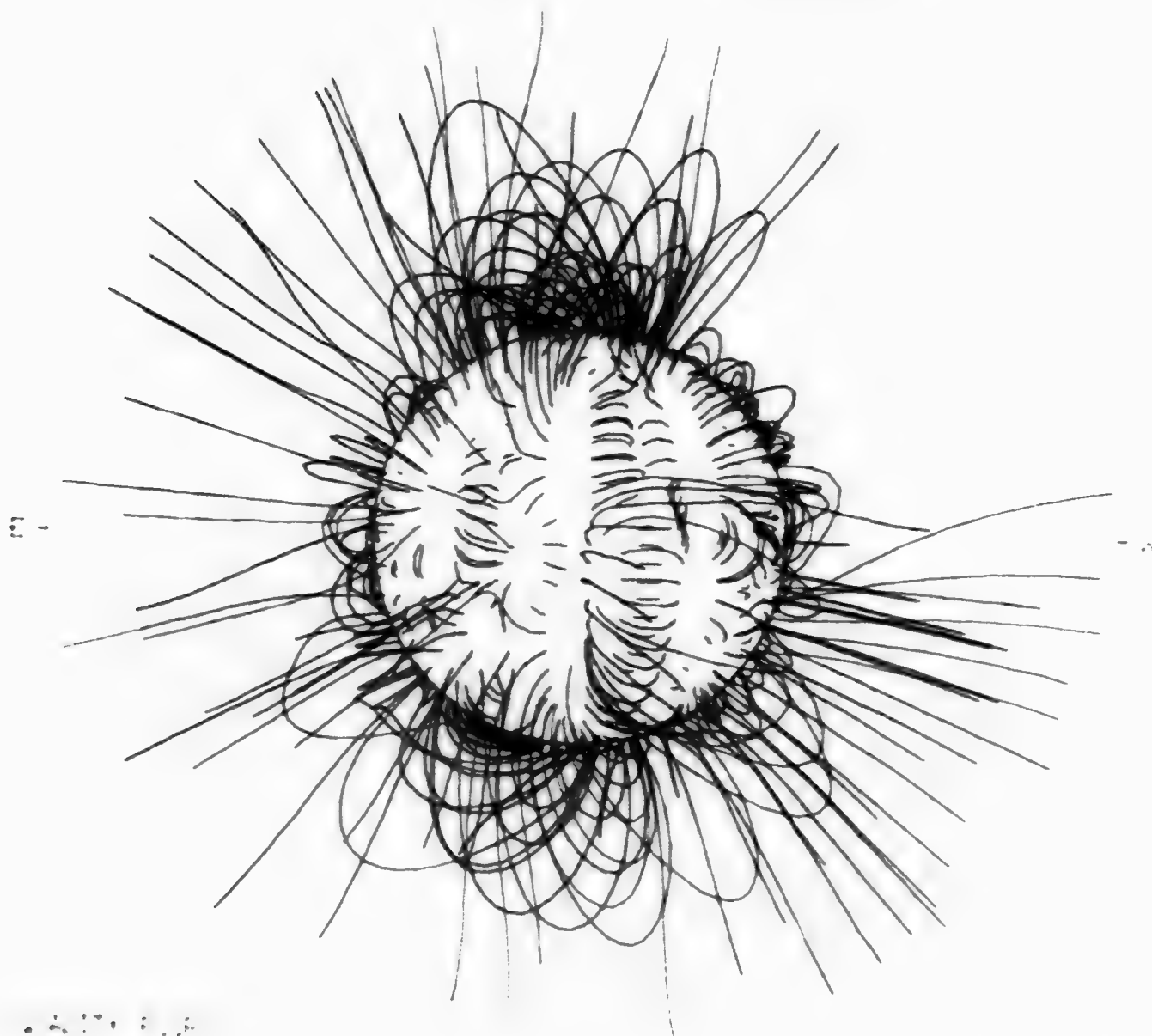
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1909
 DATA AND CALCULATIONS

HALE OBSERVATORY
 1908-1909
 DATA AND CALCULATIONS

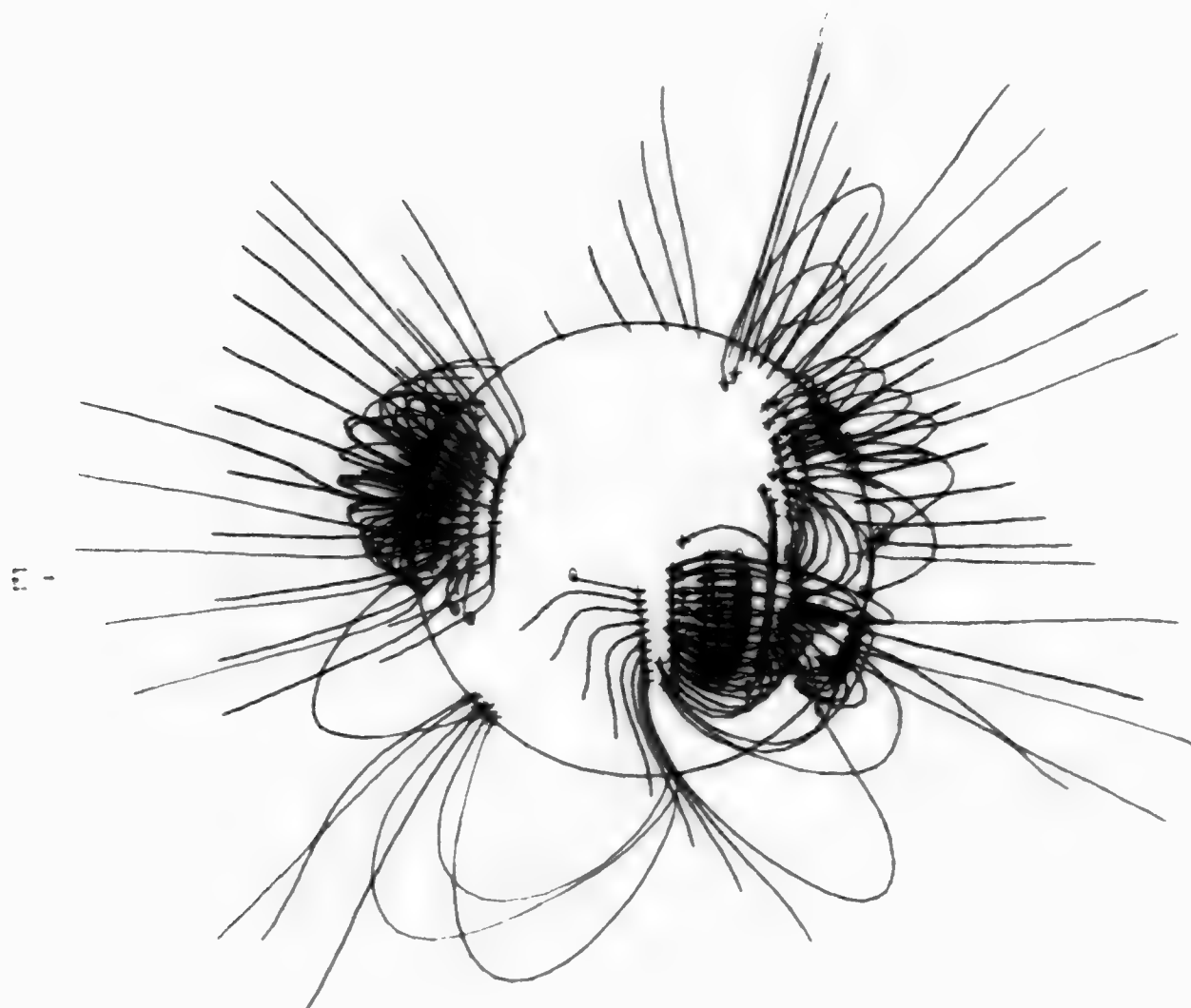
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PLEIAD STARS
 (2000-2001) 1999.12

HALE OBSERVATORY
 PLEIAD STARS
 (2000-2001) 1999.12

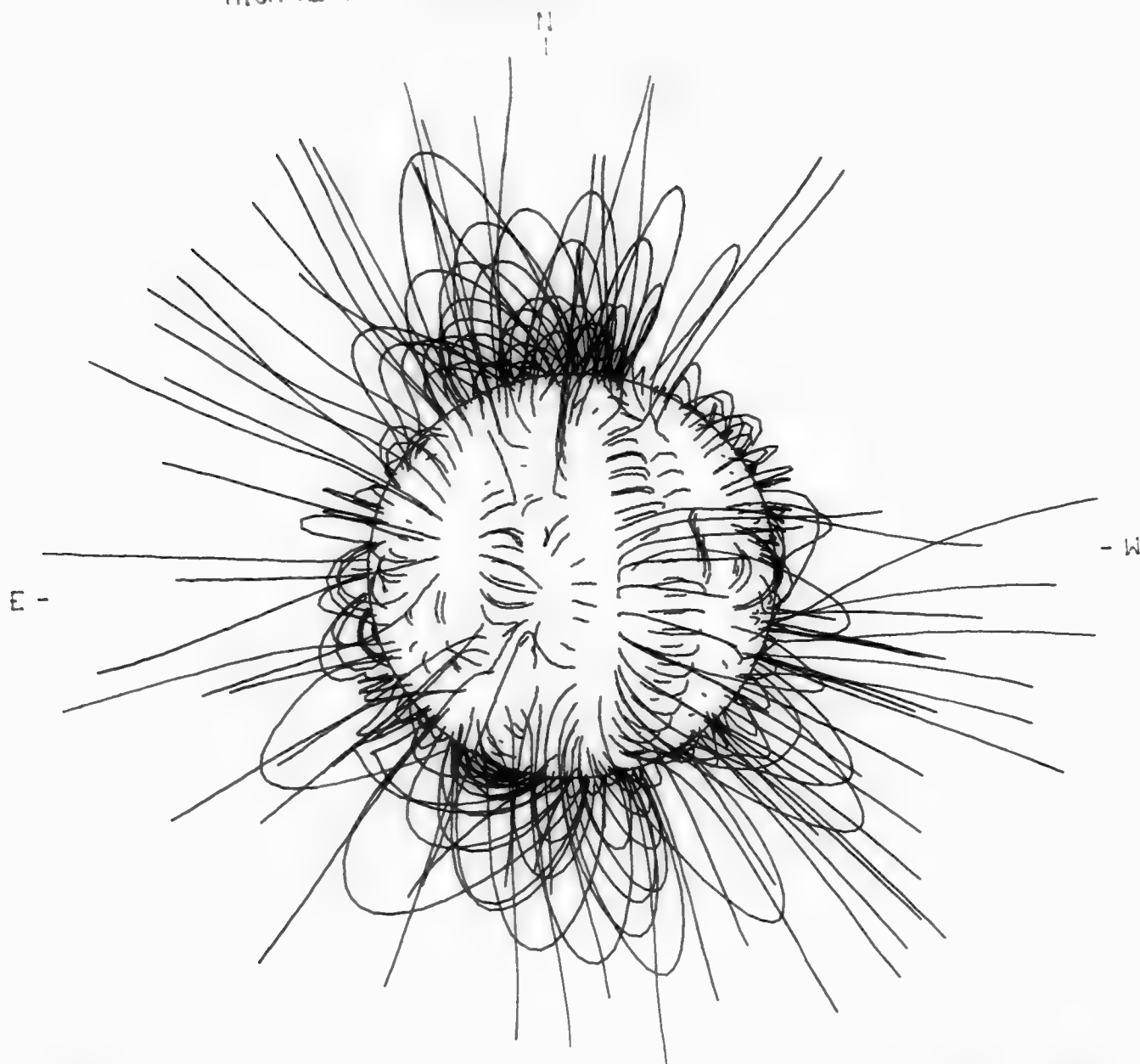
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HAIR: 1954
 FACE: 1954
 DATE: 1954

HAIR: 1954
 FACE: 1954
 DATE: 1954

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

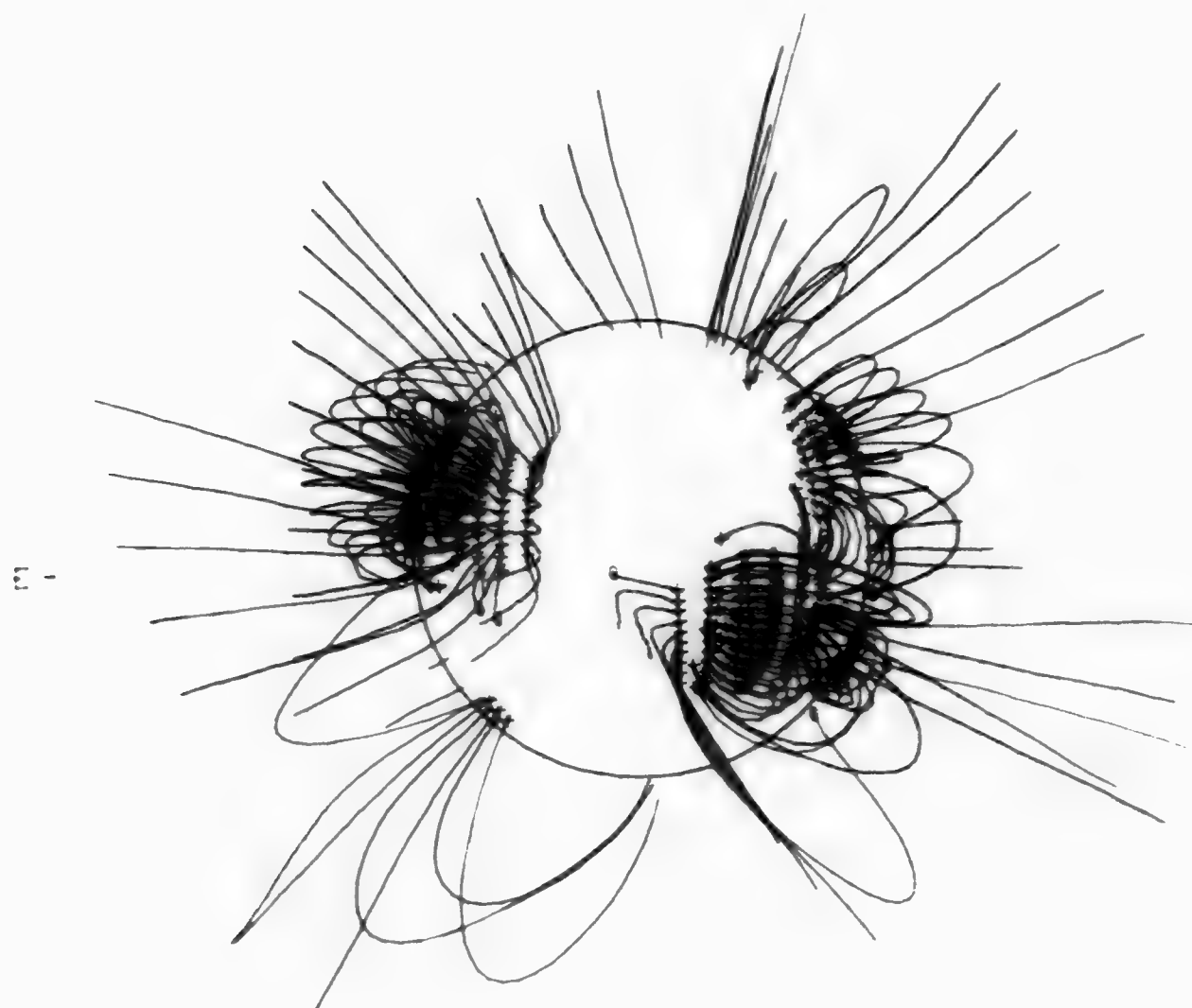


QUALITY POOR
POLES DIRECT
DATA WINDOW 1529.78

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ROT. 1530 LONG. 221°
26.4 JAN 1968

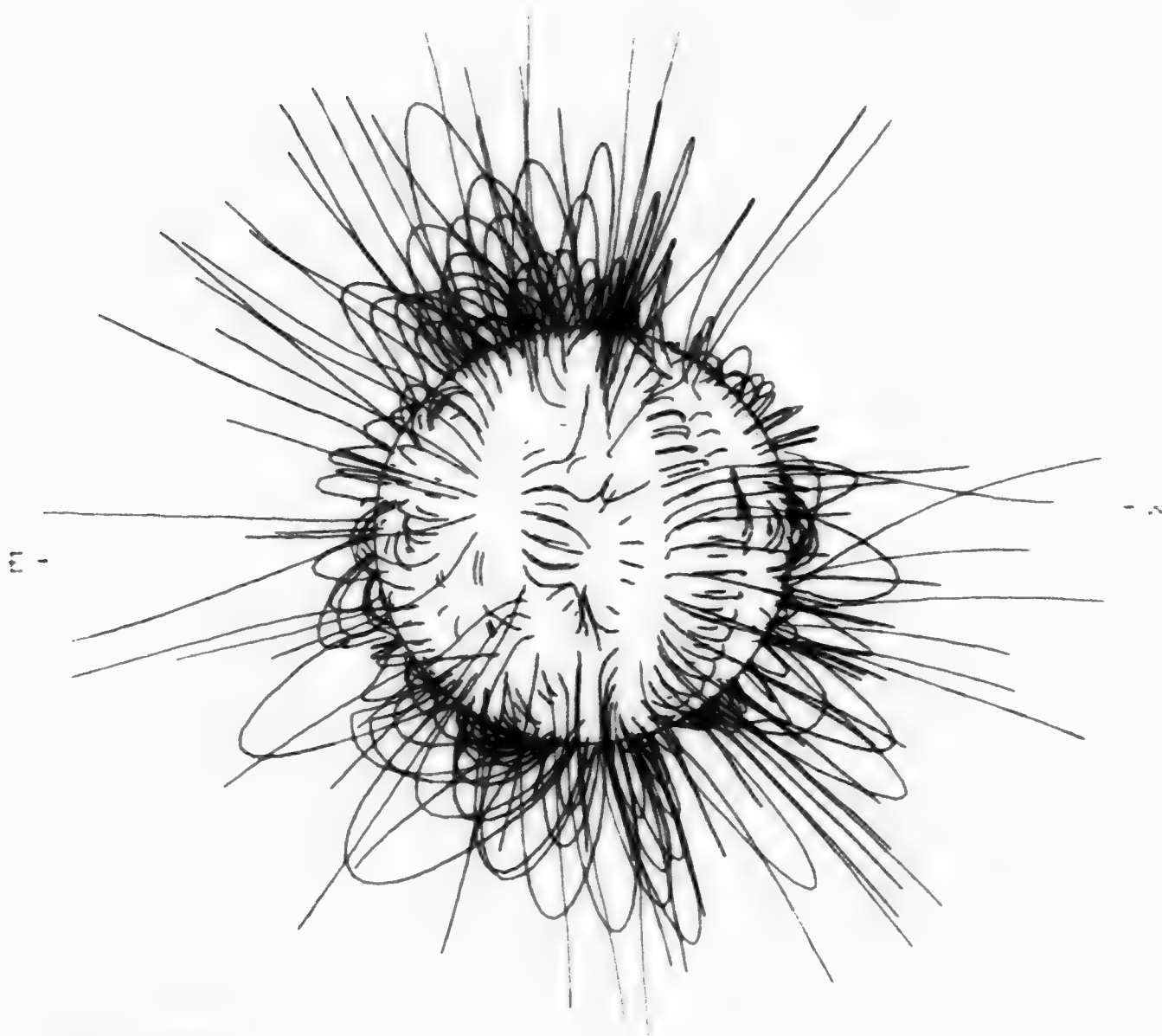
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY

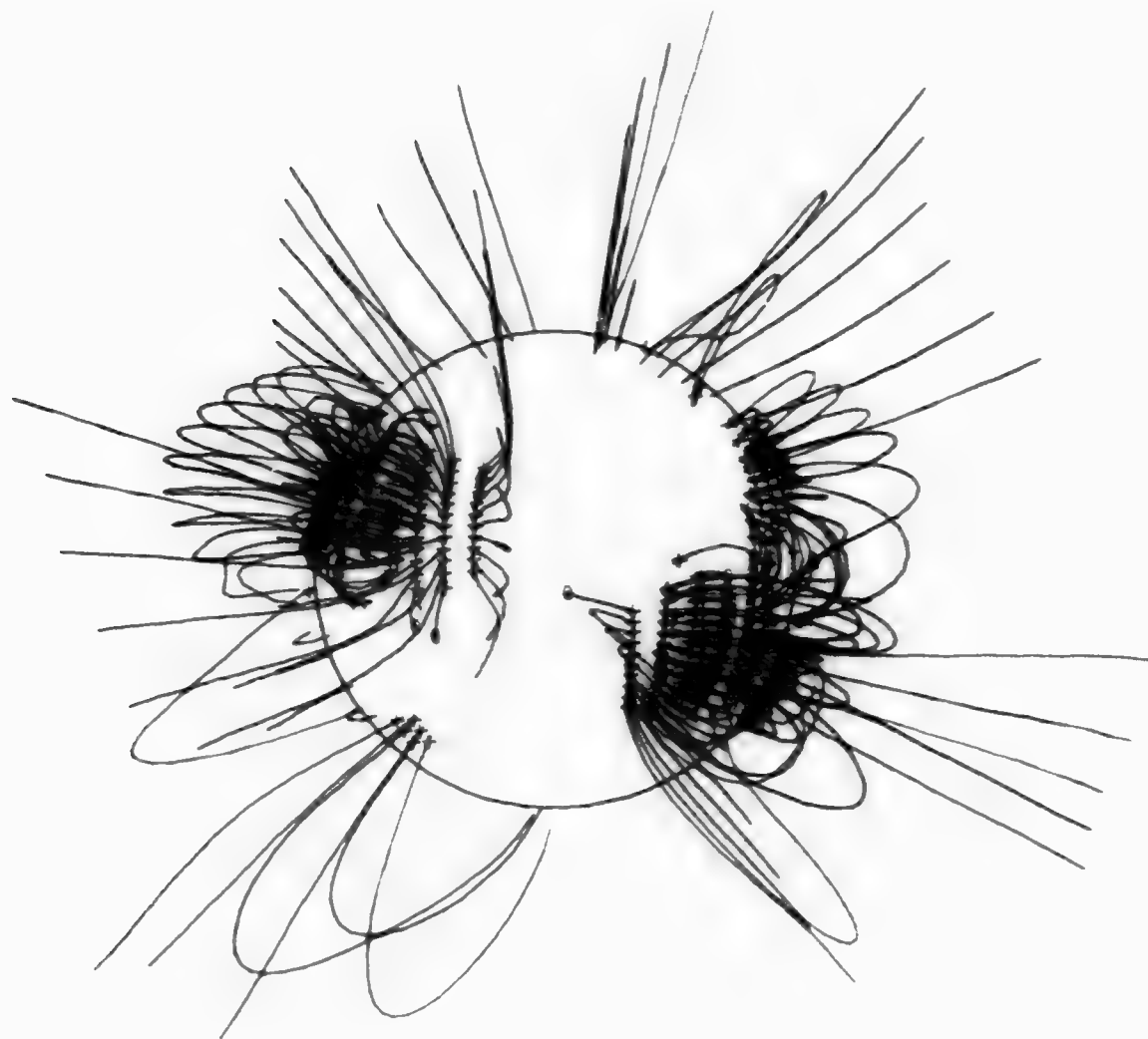
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SUN OBSERVATORY
SUN OBSERVATORY

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SUN OBSERVATORY

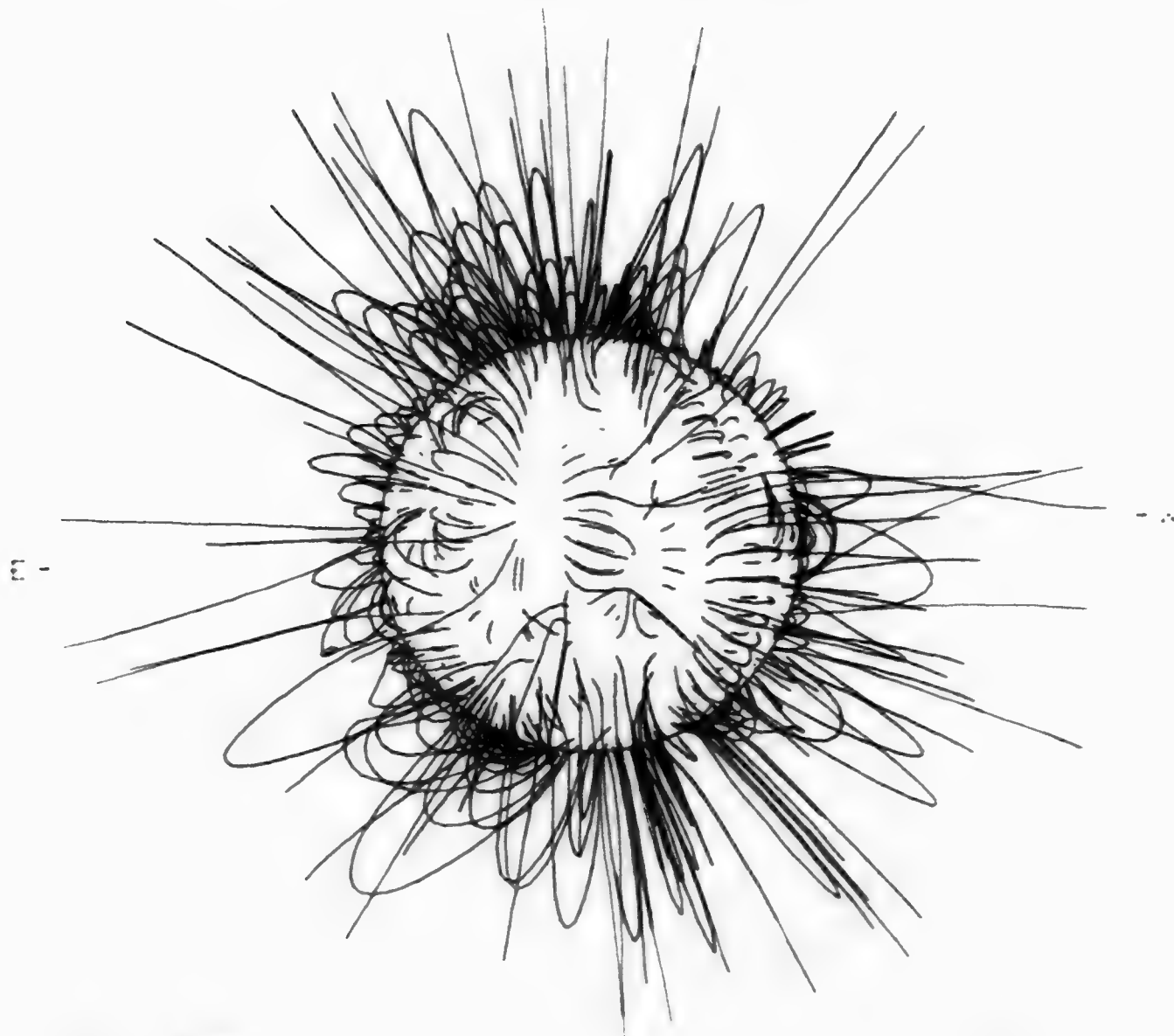
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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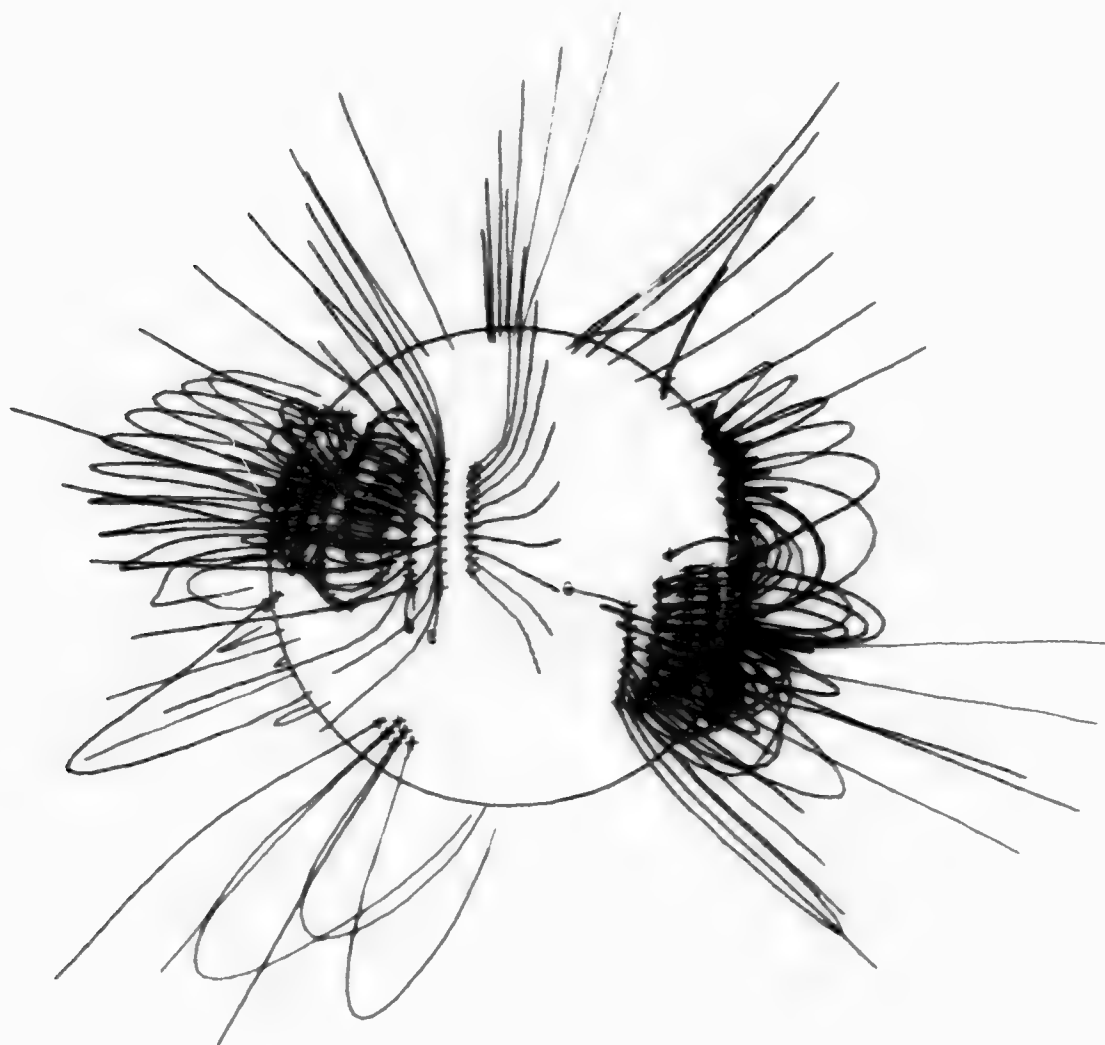
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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SUN OBSERVATORY

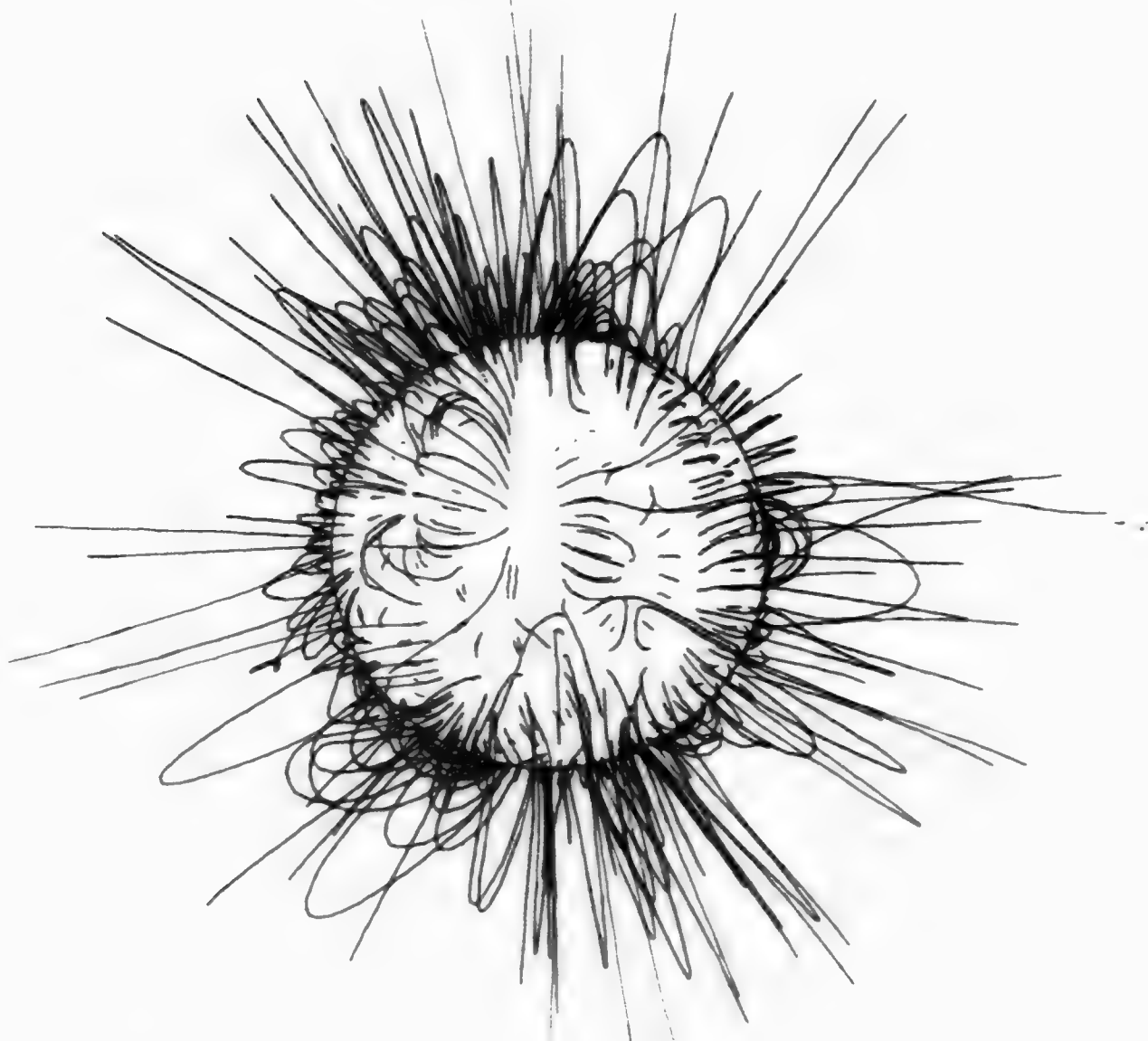
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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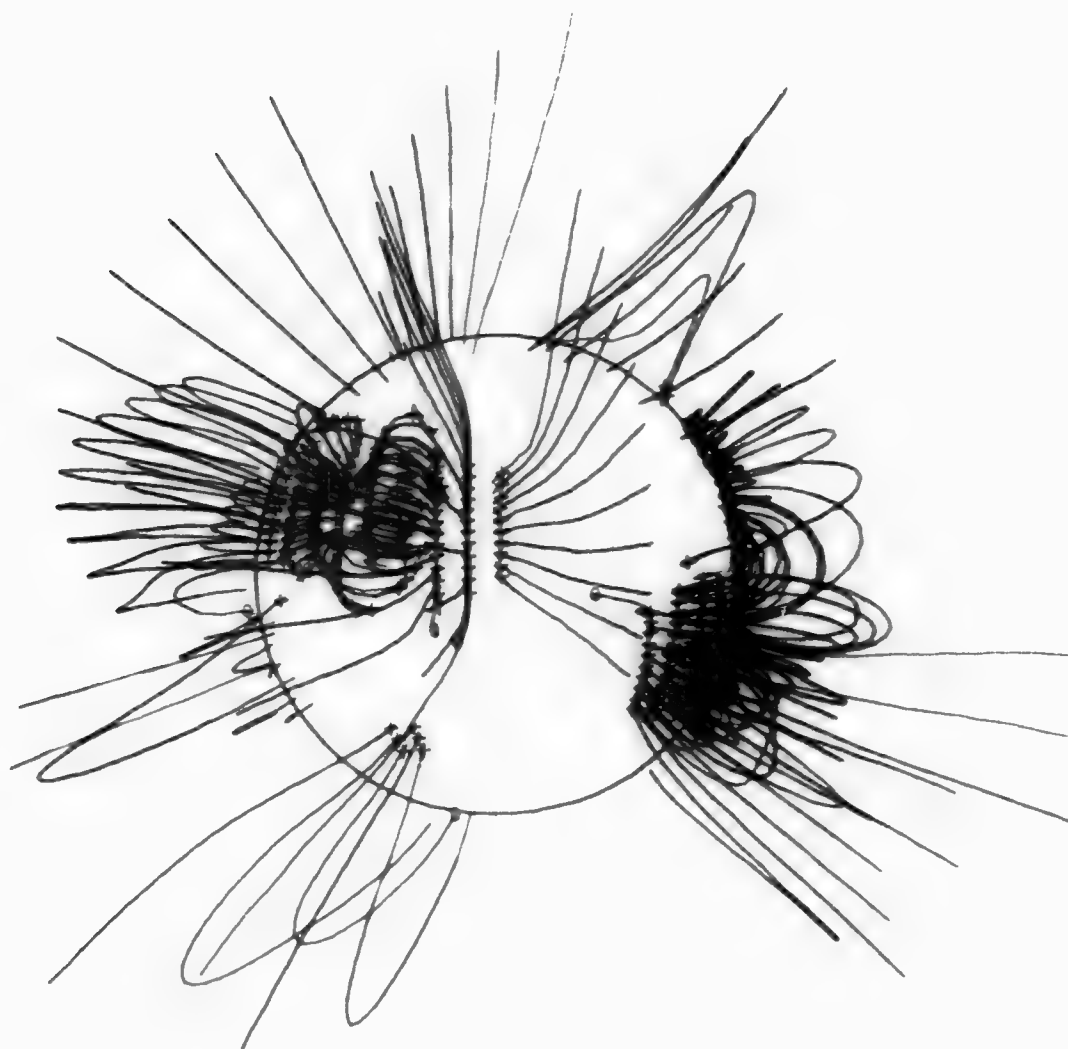
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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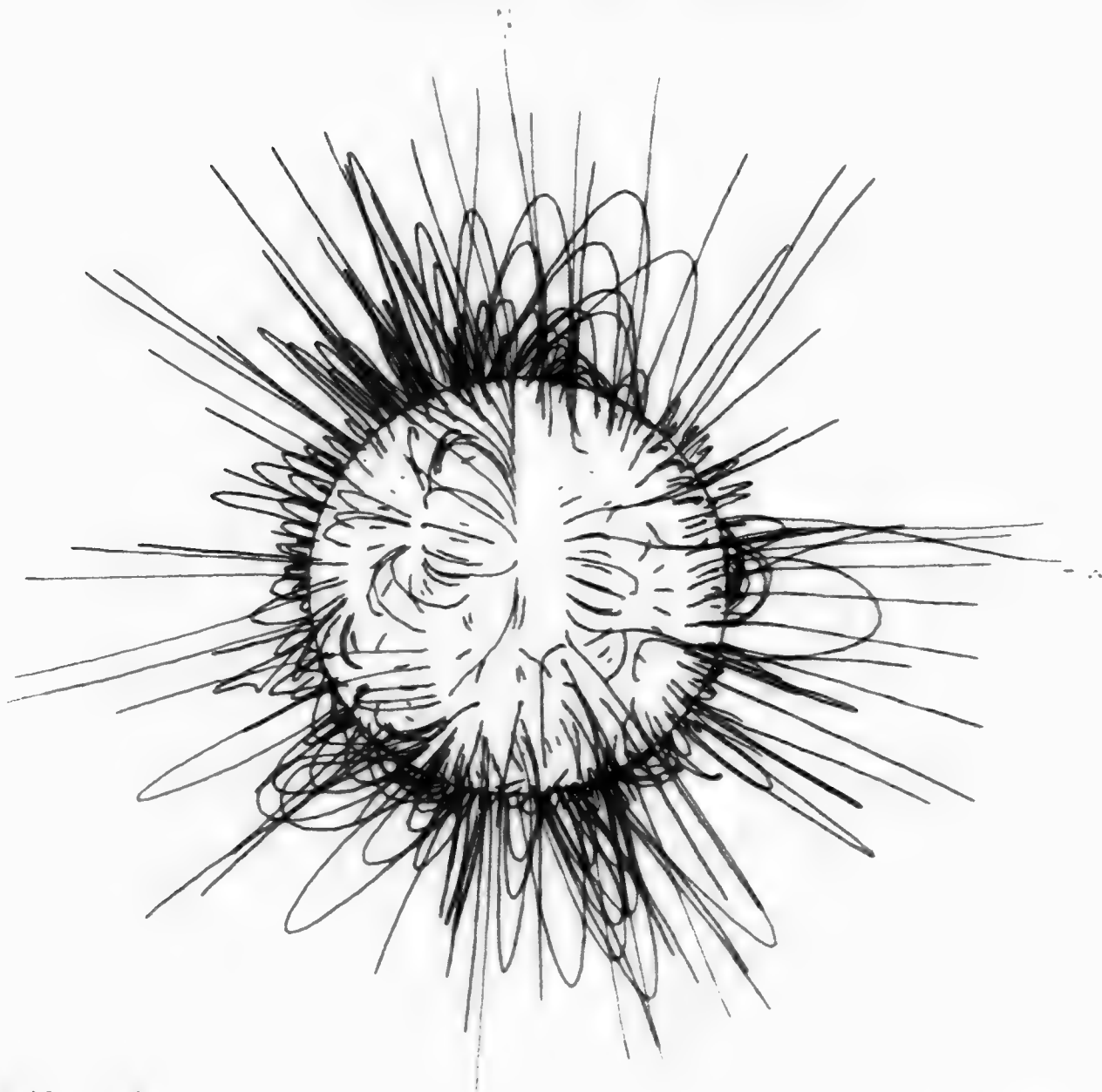
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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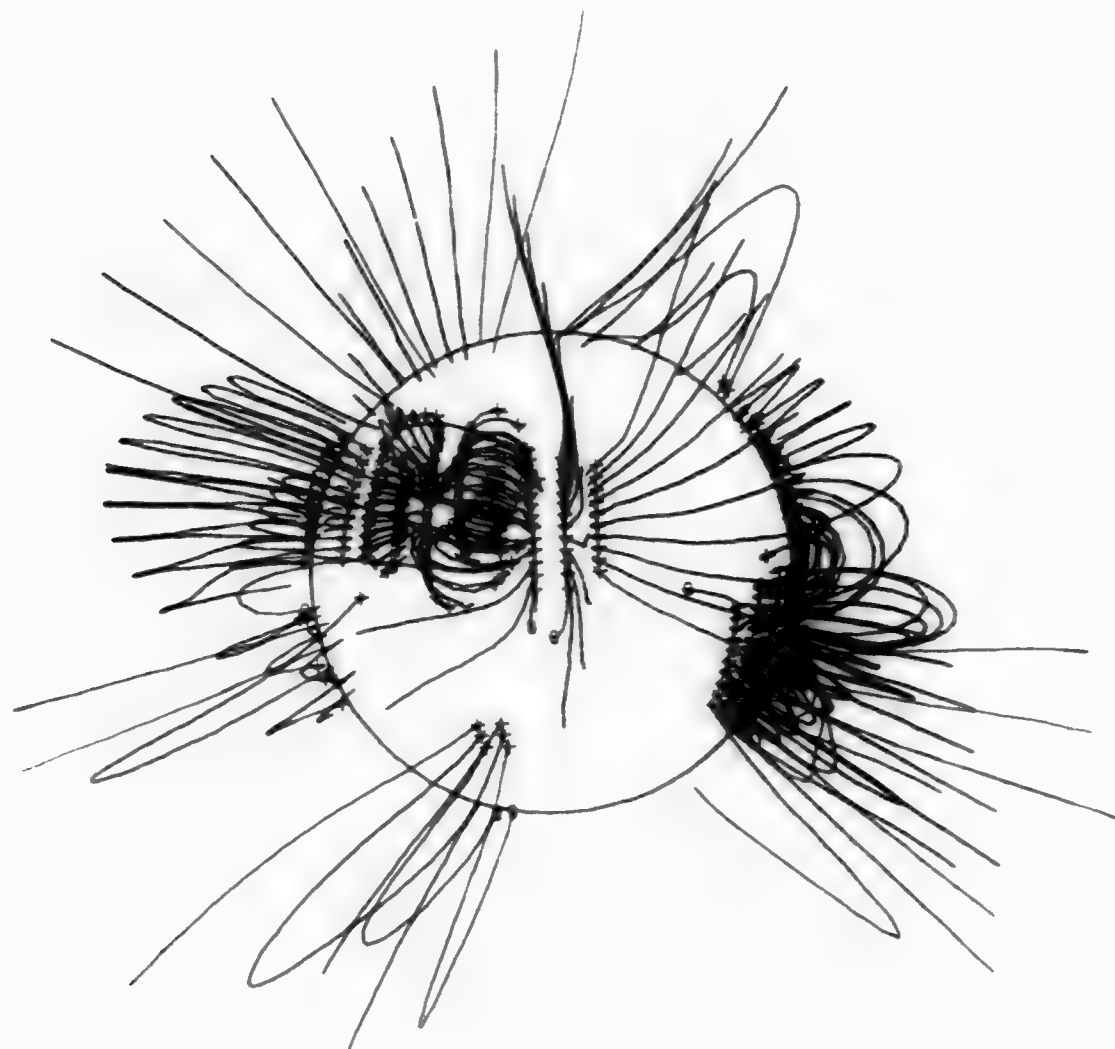
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO, COLORADO
 DATA ACQUIRED 1964-1965

HALE OBSERVATORY
 PUEBLO, COLORADO
 DATA ACQUIRED 1964-1965

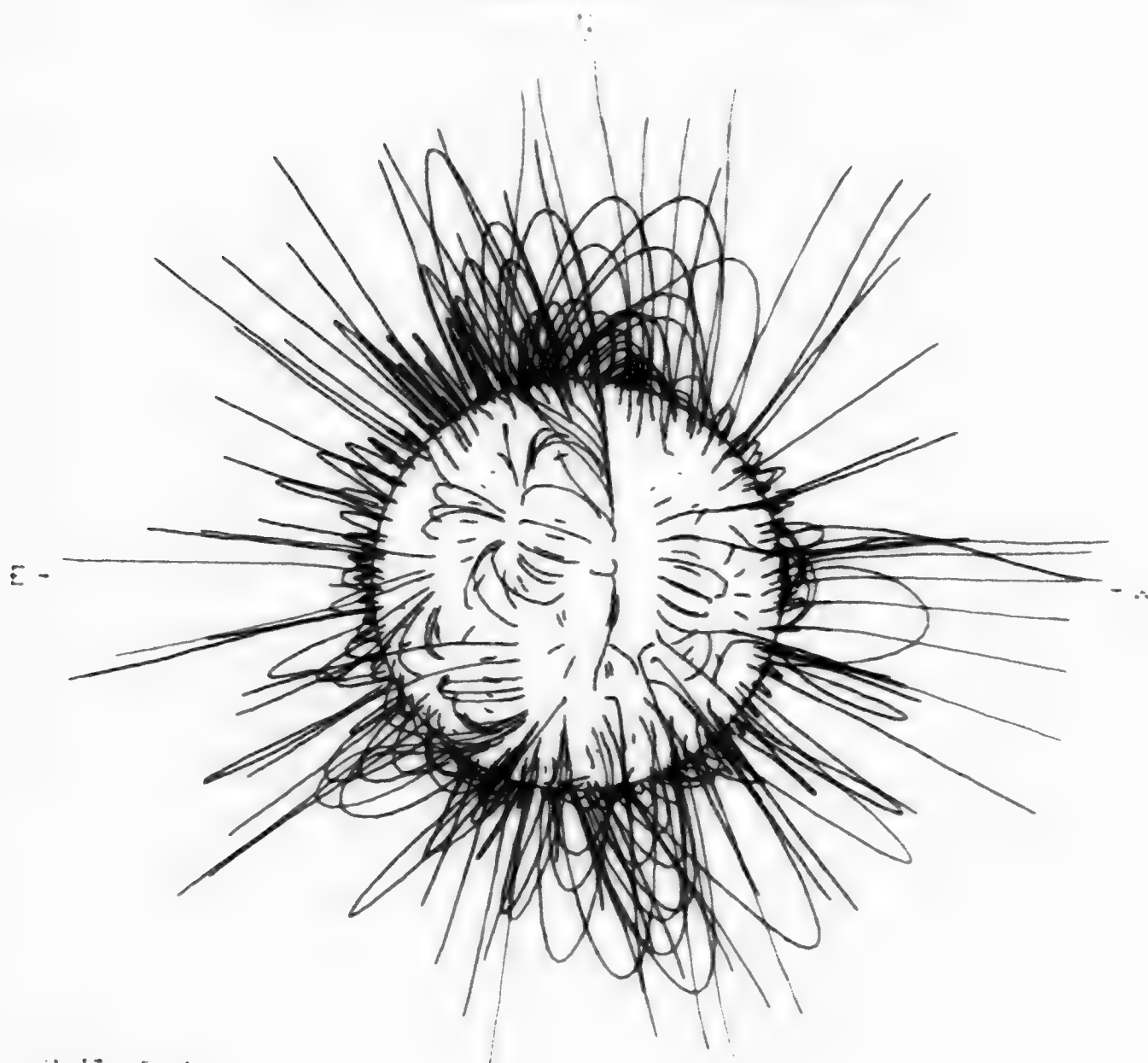
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE P.O.
HALLS STREET
HALLS STREET

HALE P.O.
HALLS STREET
HALLS STREET

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

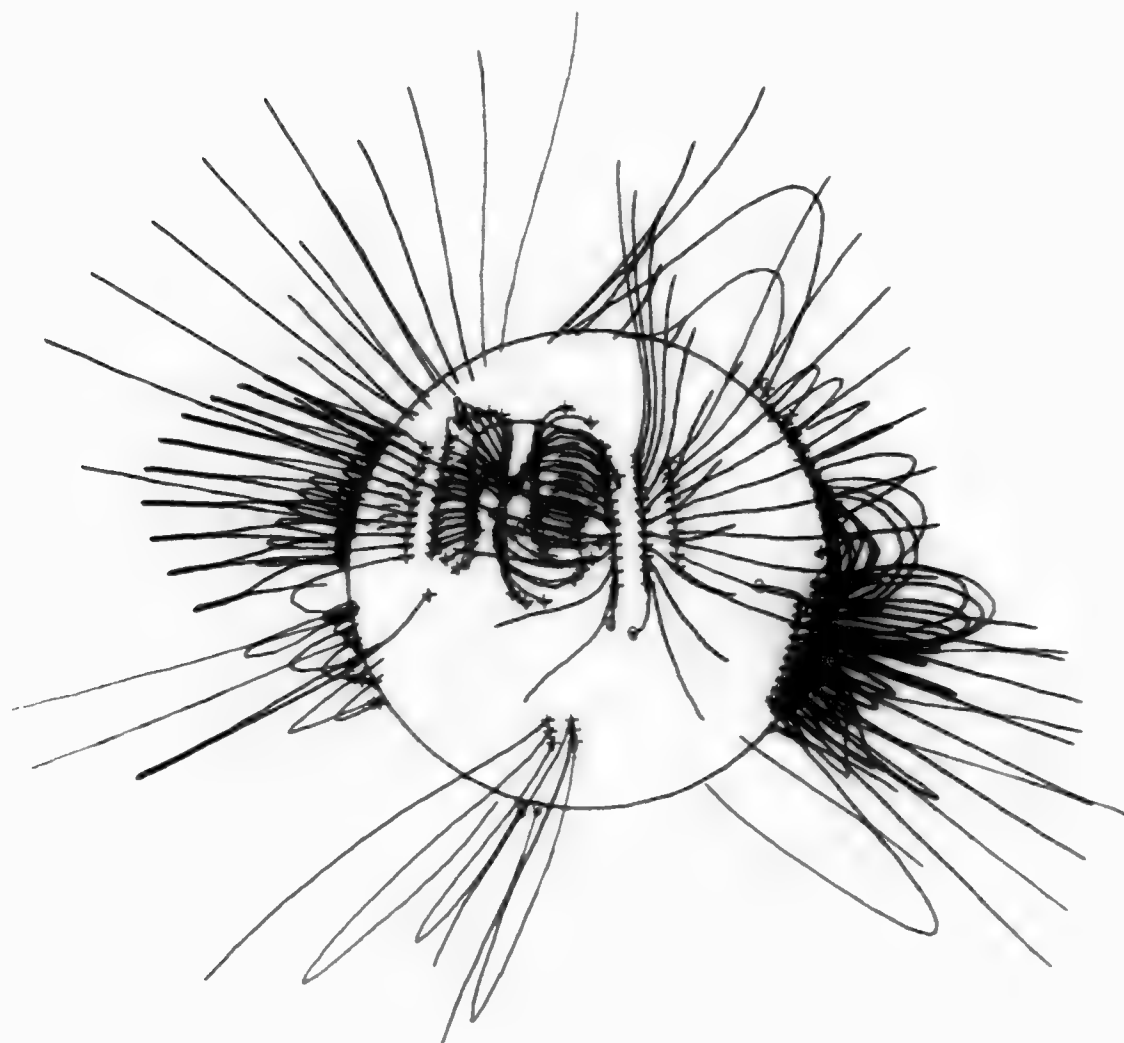
HALE OBSERVATORY

HALE OBSERVATORY

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HALE OBSERVATORY

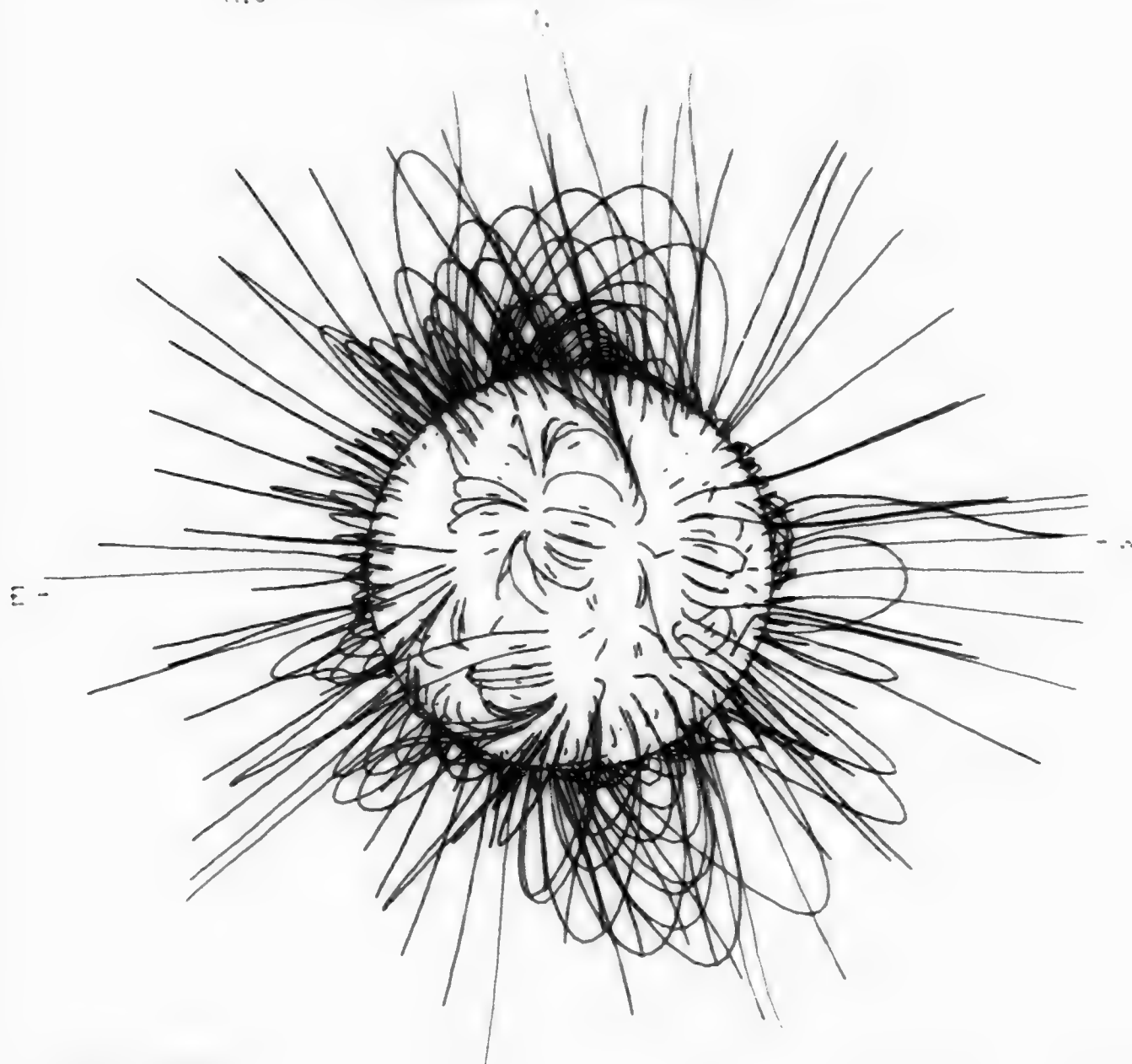
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES DIRECT
 DATA LINE 1523.74

HALE OBSERVATORY
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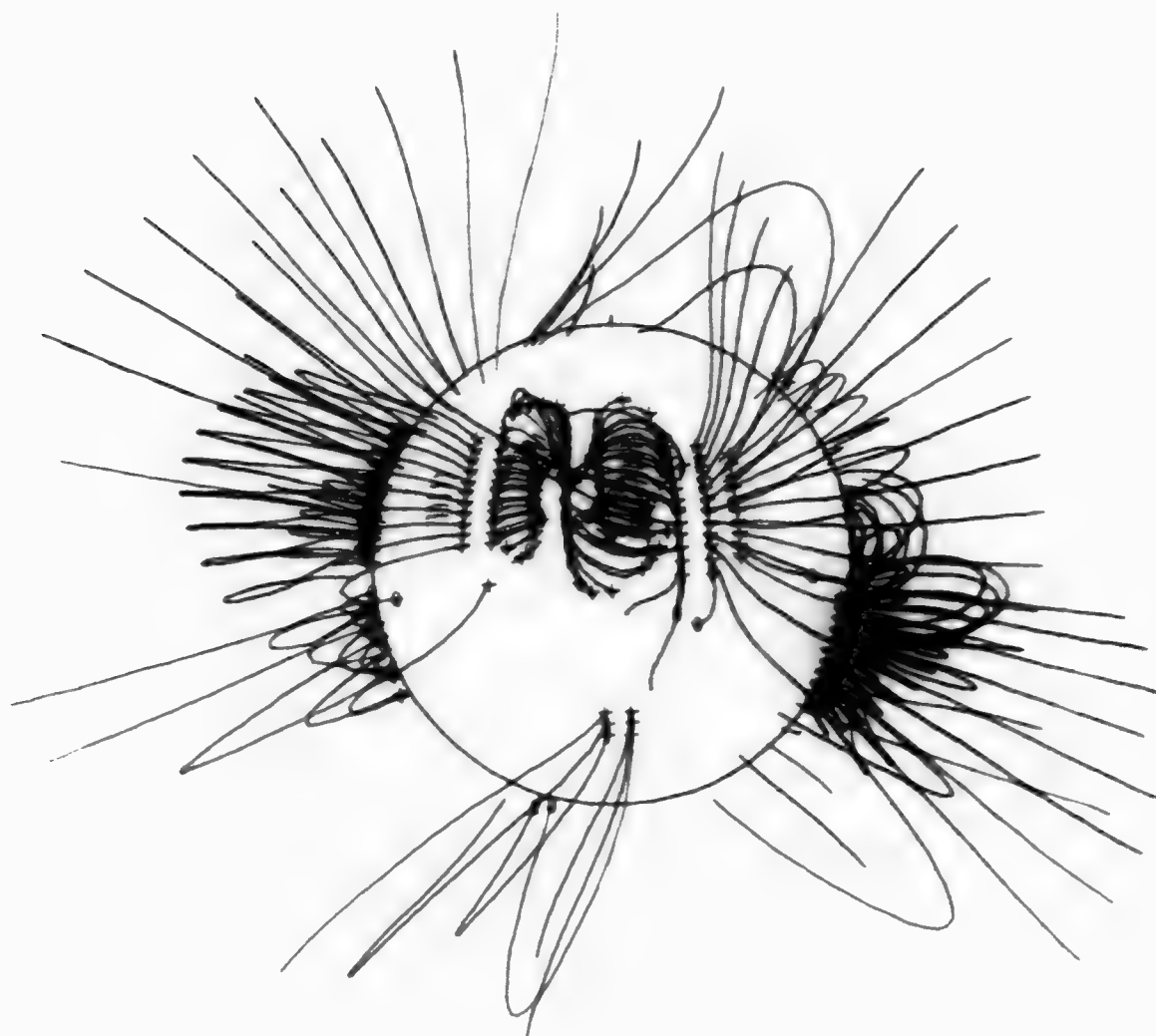
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SUN OBSERVATORY
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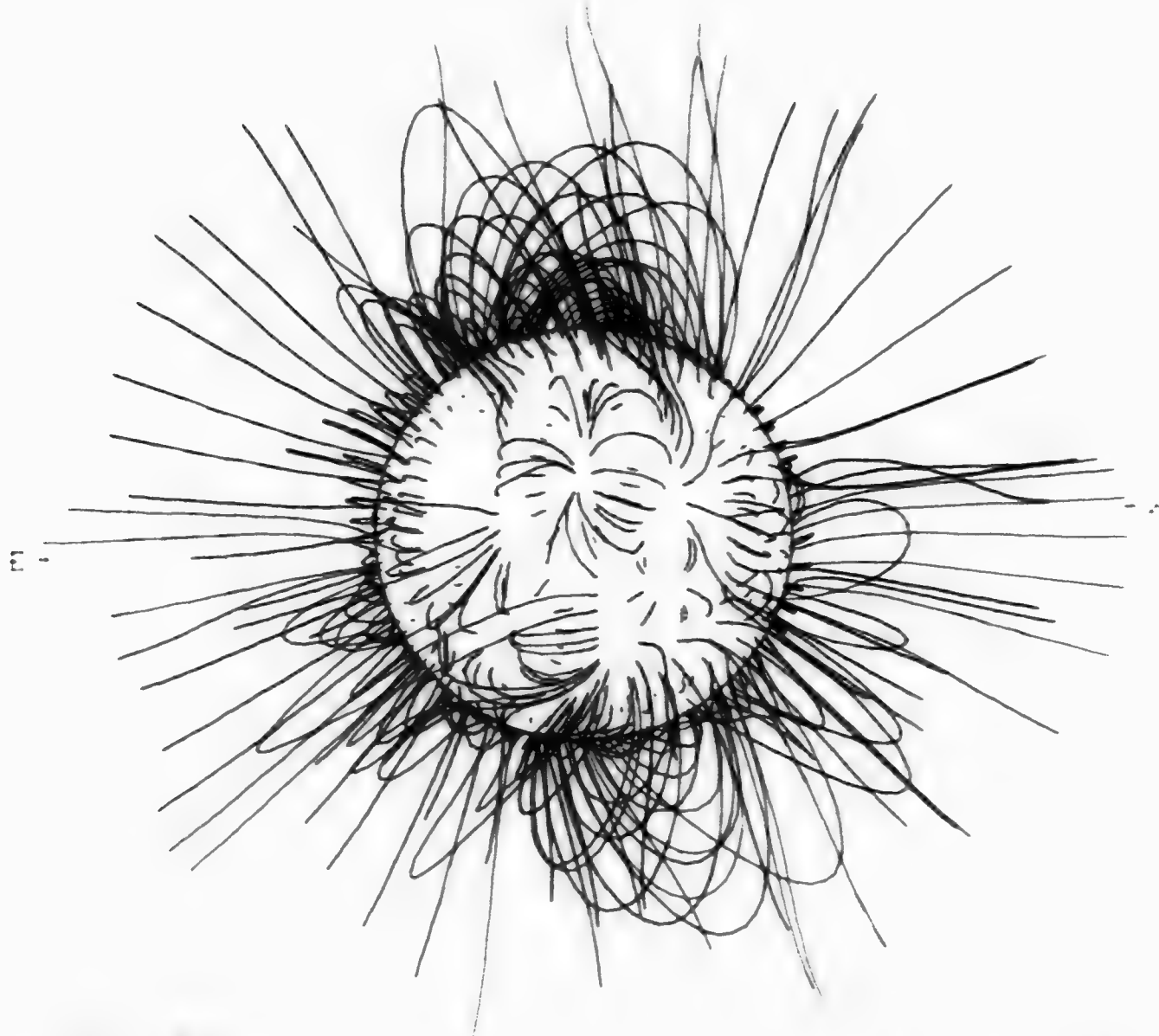
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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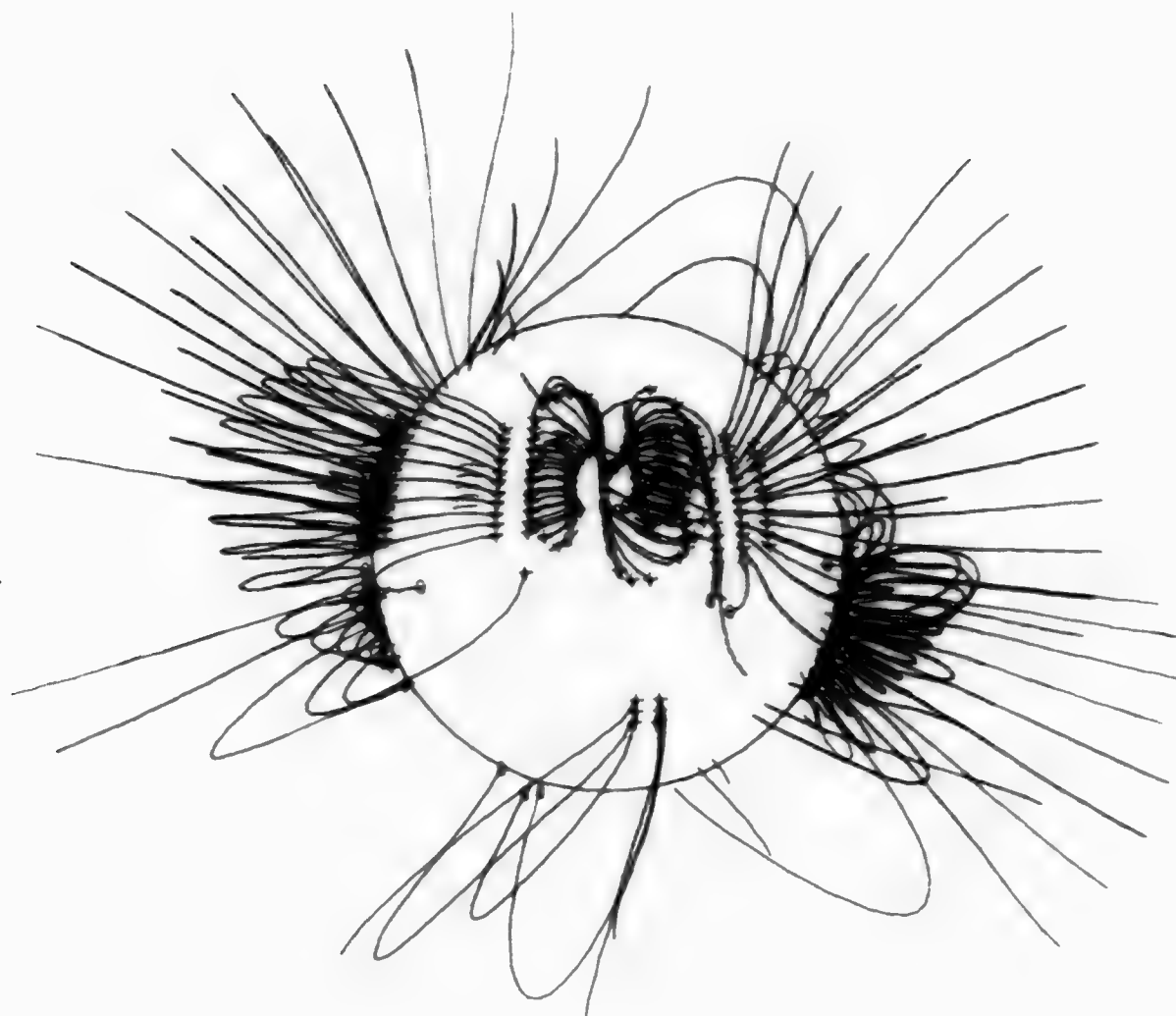
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
1950-1951

HALE OBSERVATORY
HAWAII
1950-1951

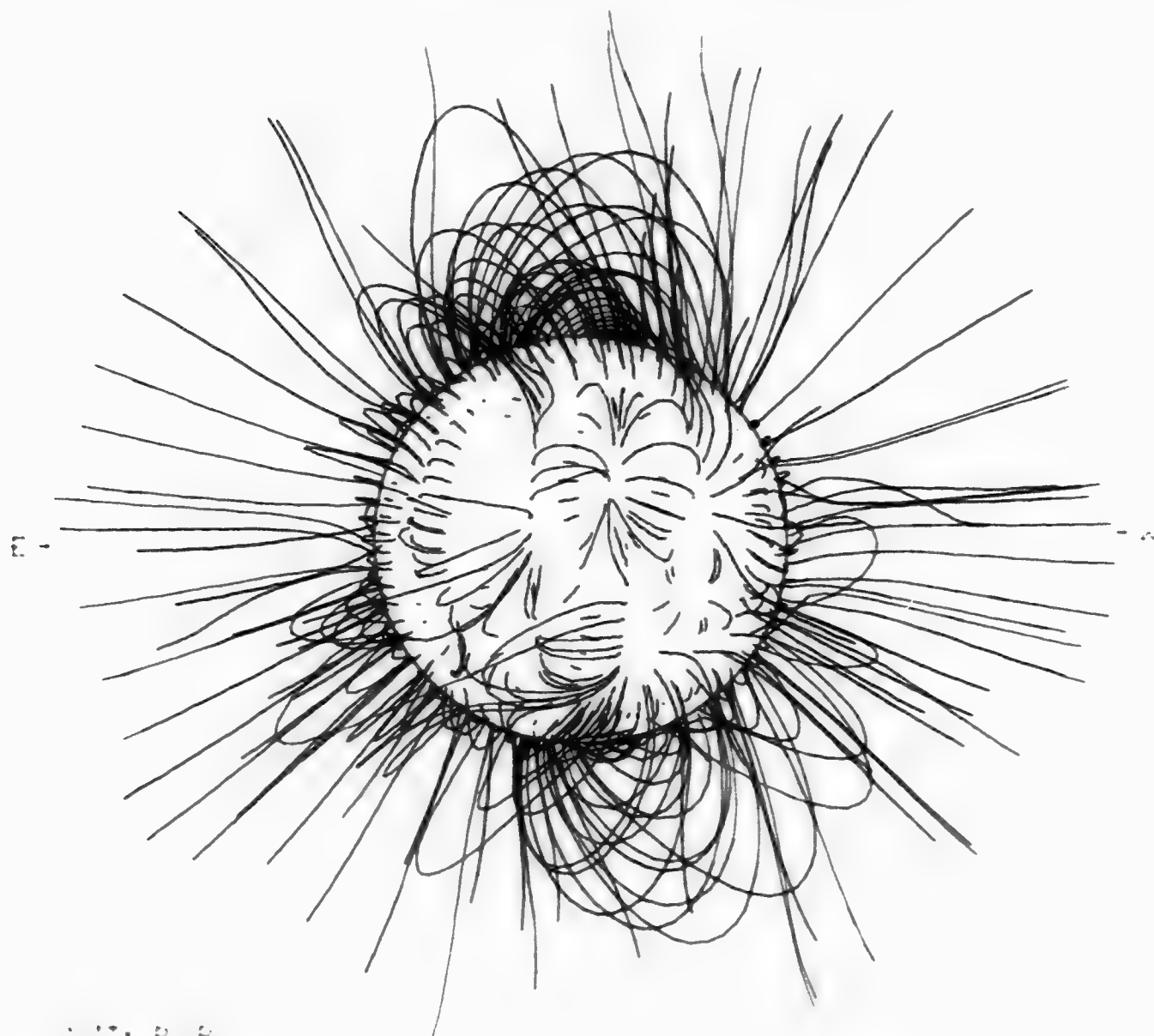
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALICE PUP
FLEET LIFE
DATE APRIL 1964

ALICE PUP
FLEET LIFE
DATE APRIL 1964

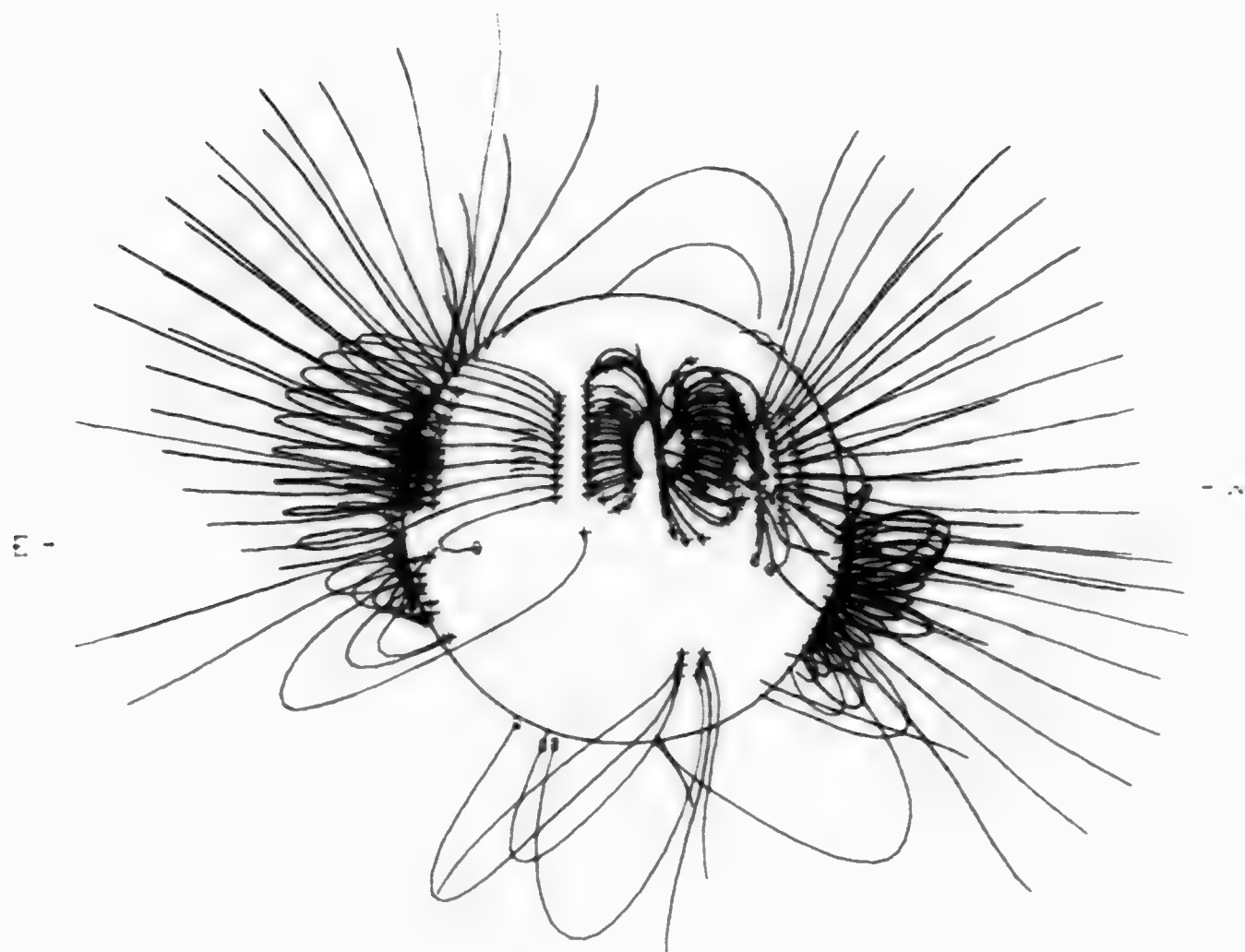
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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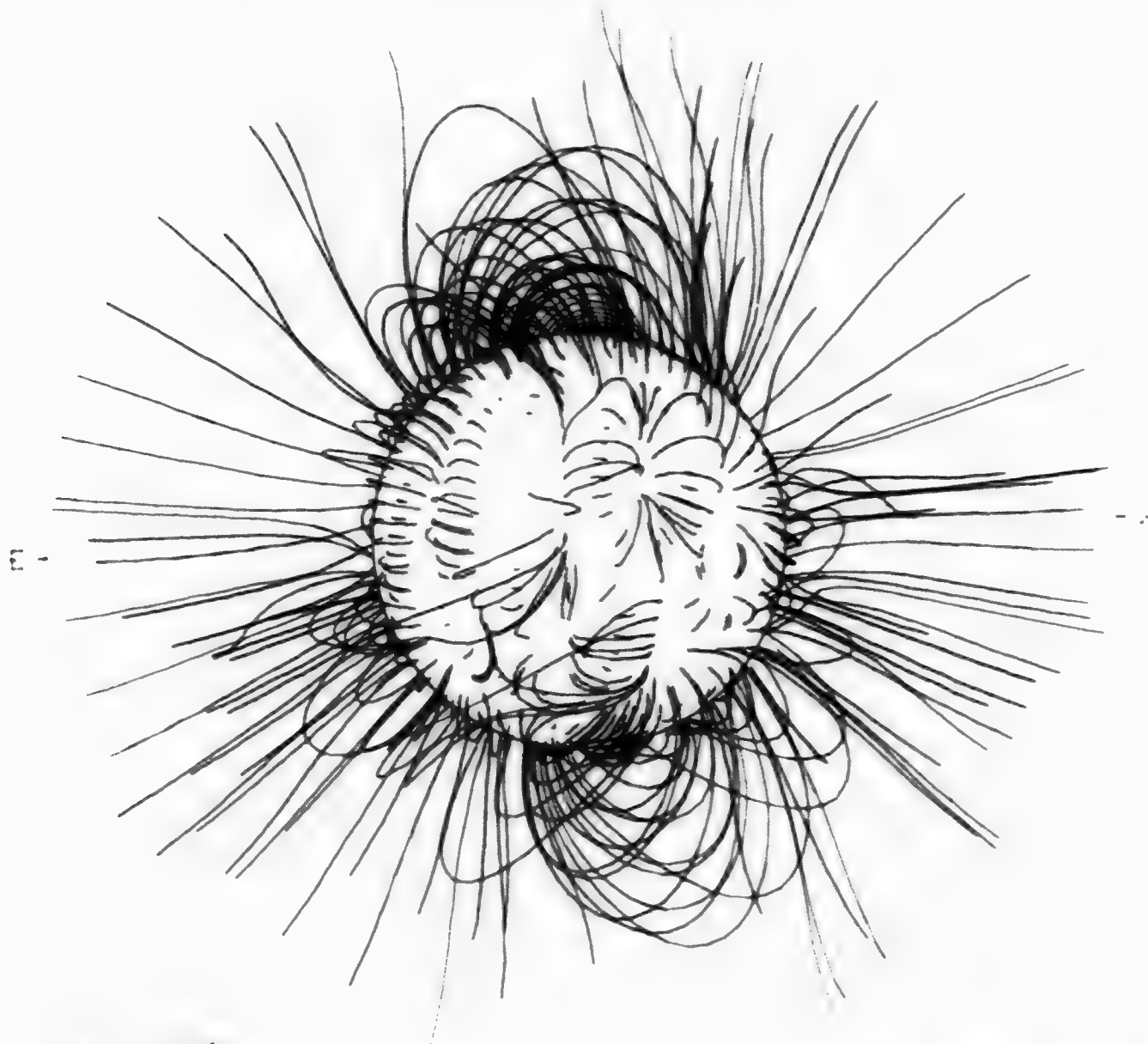
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

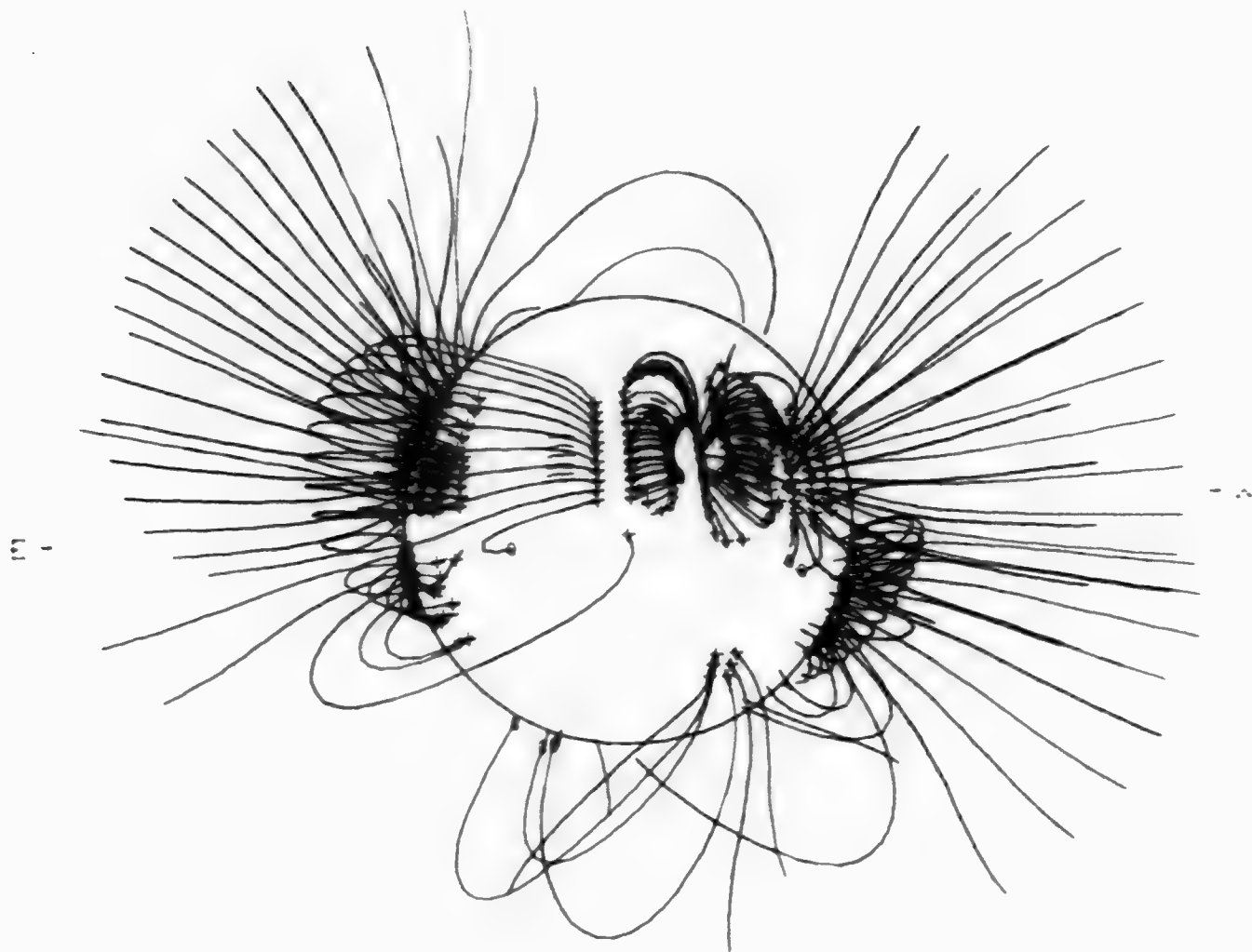
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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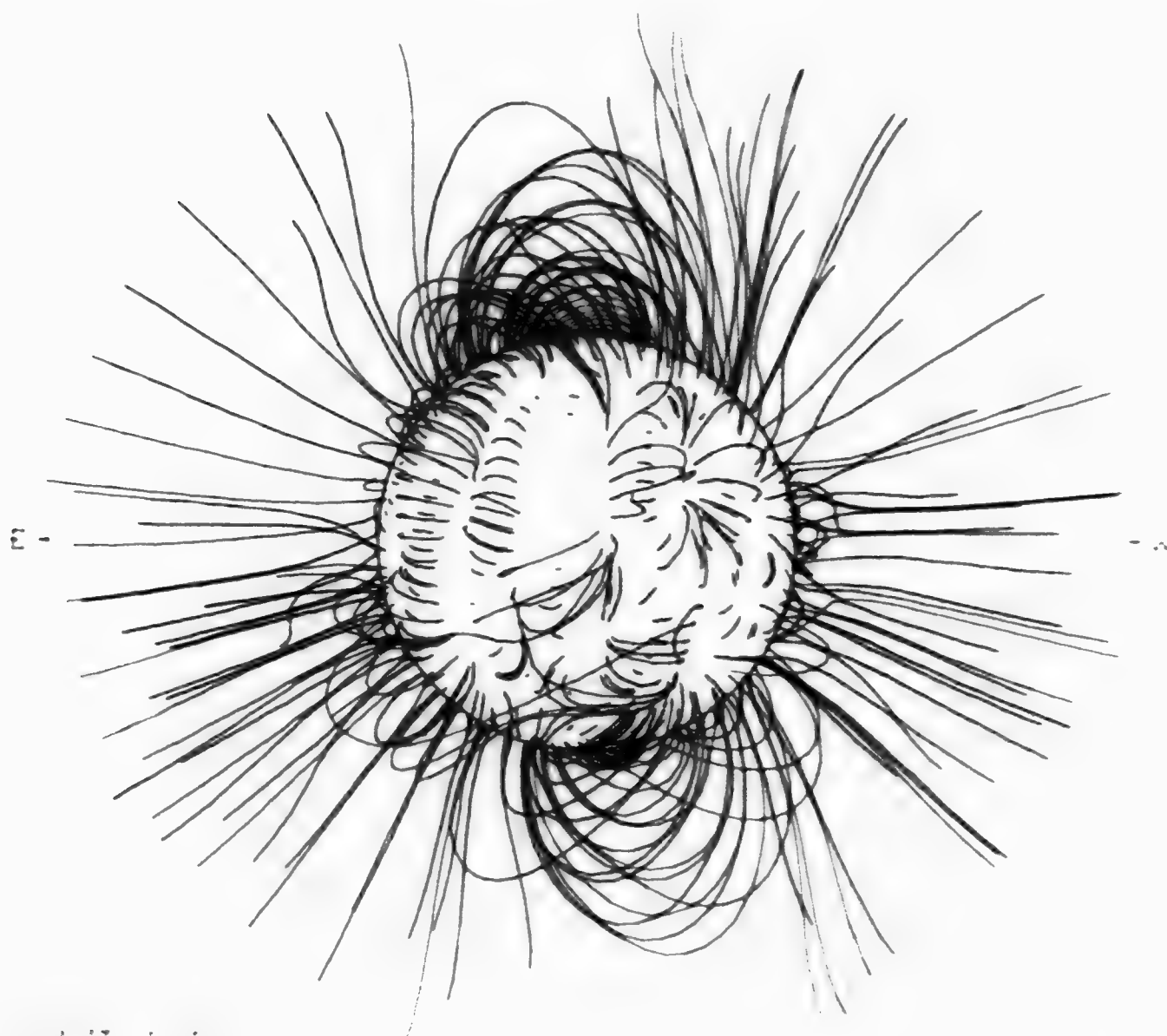
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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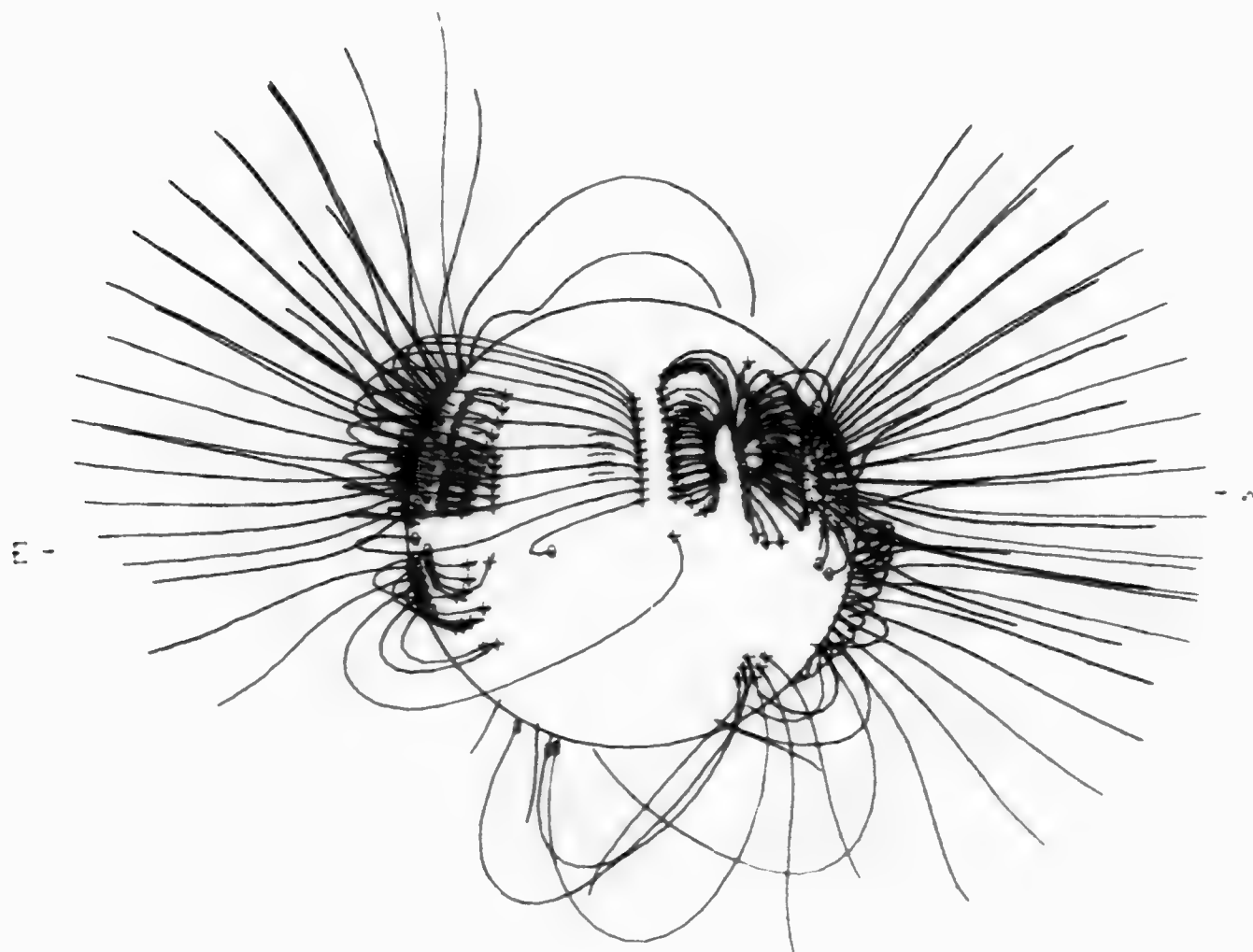
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY 1.5
 PLACES DIRECT
 DATA WITHIN 1500.00

ALTY 1.5
 PLACES DIRECT
 DATA WITHIN 1500.00

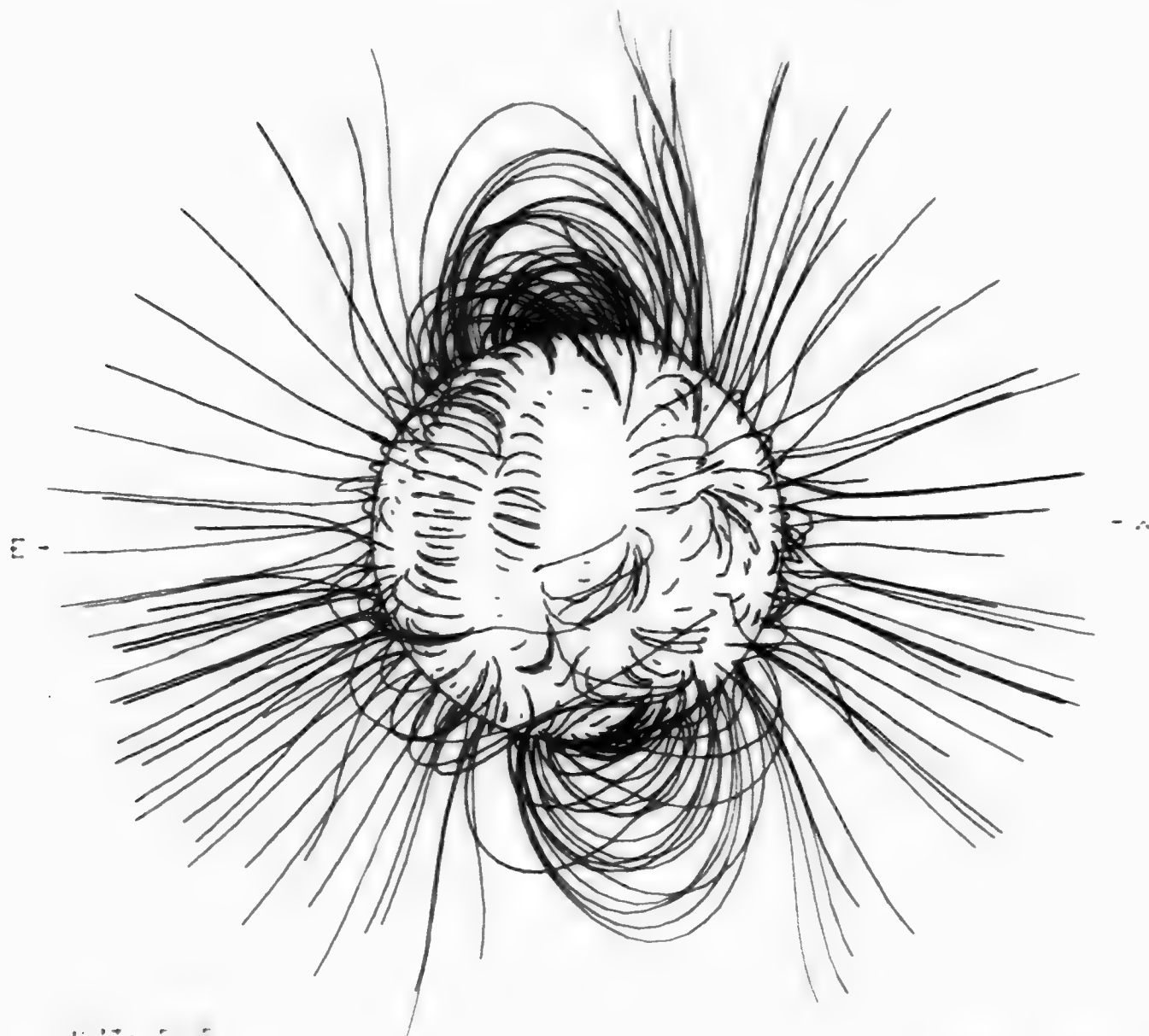
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUEBLO COUNTY
COLORADO

HALE OBSERVATORY
PUEBLO COUNTY
COLORADO

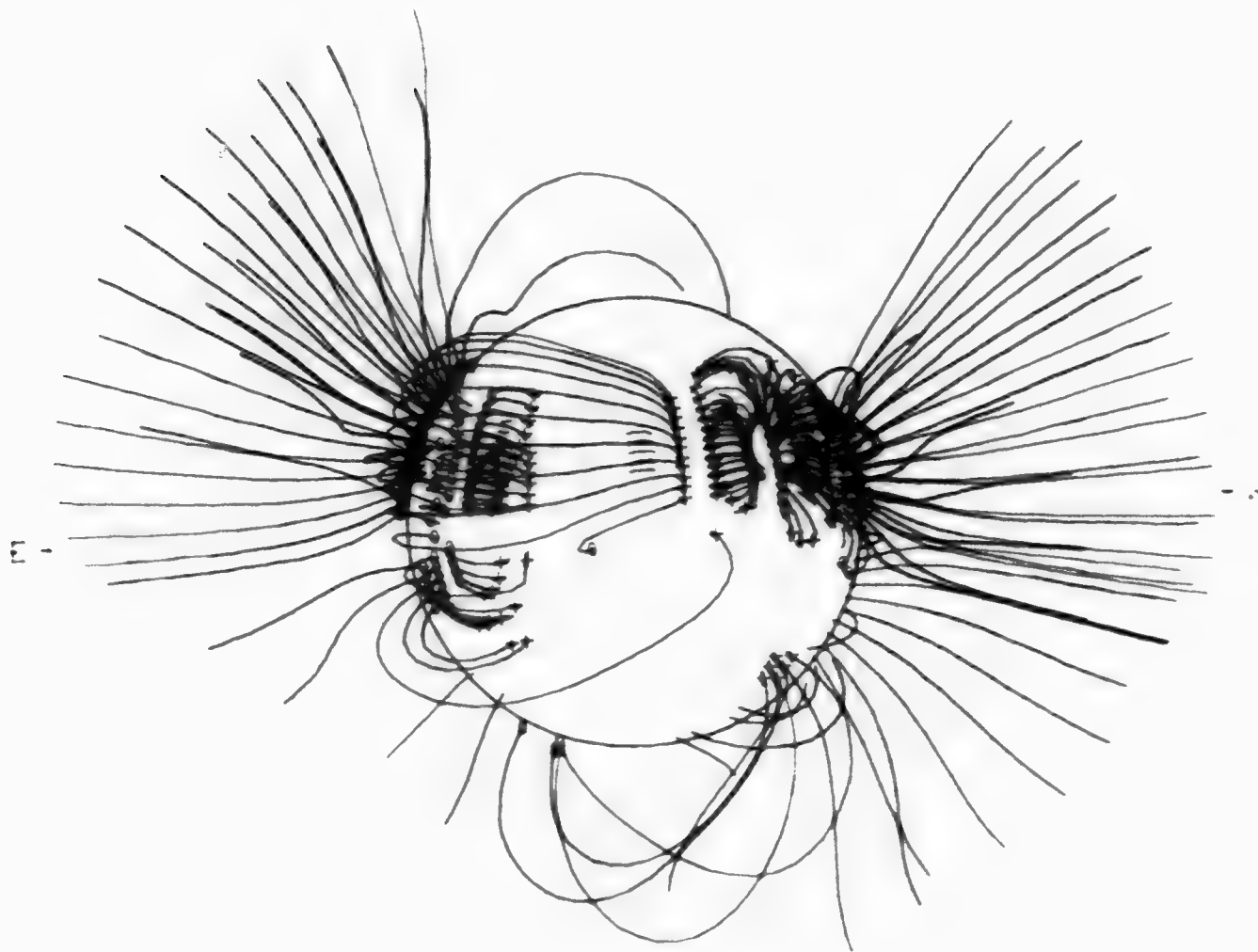
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AND/OR RECORDS

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AND/OR RECORDS

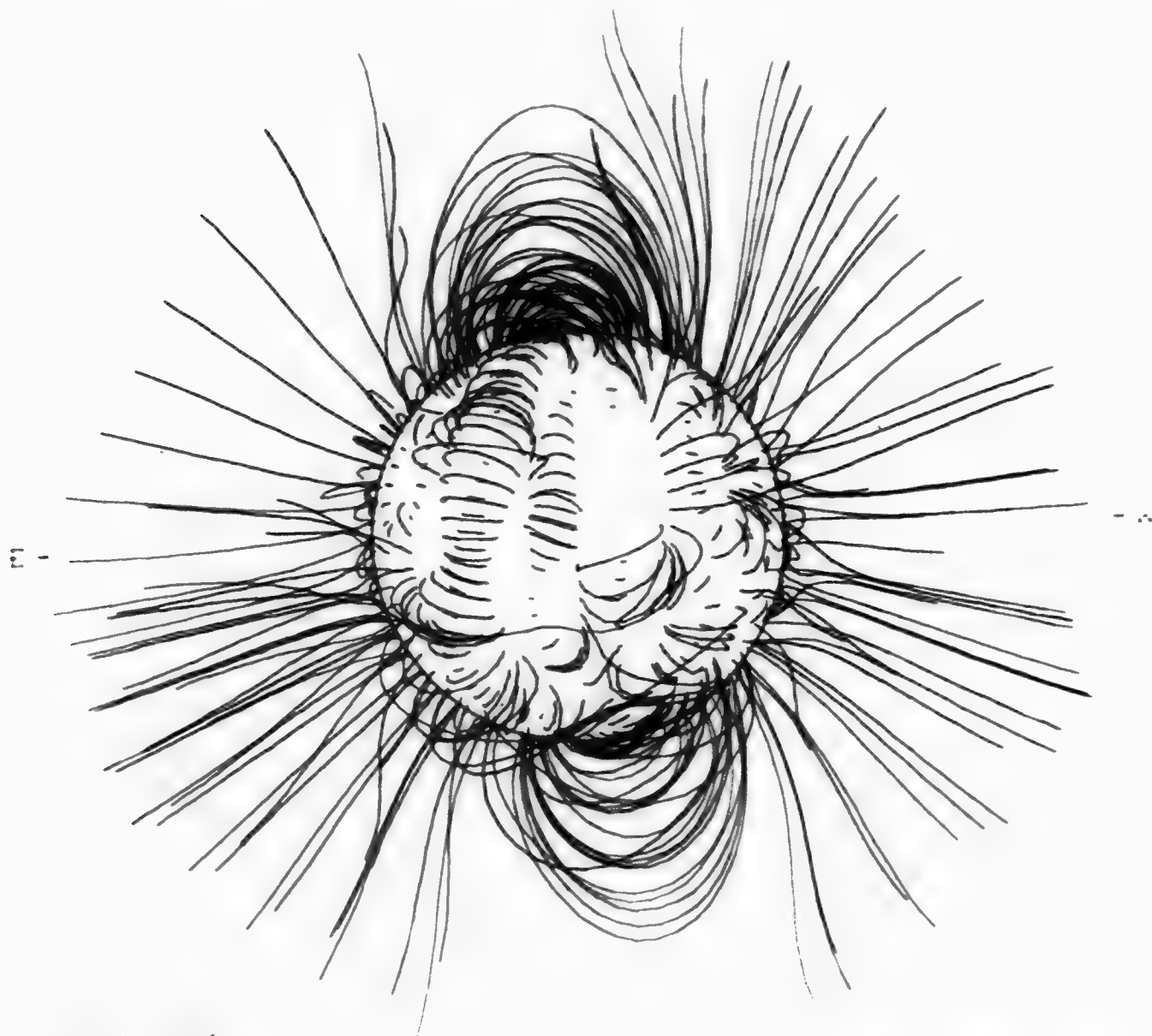
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY
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HALE OBSERVATORY

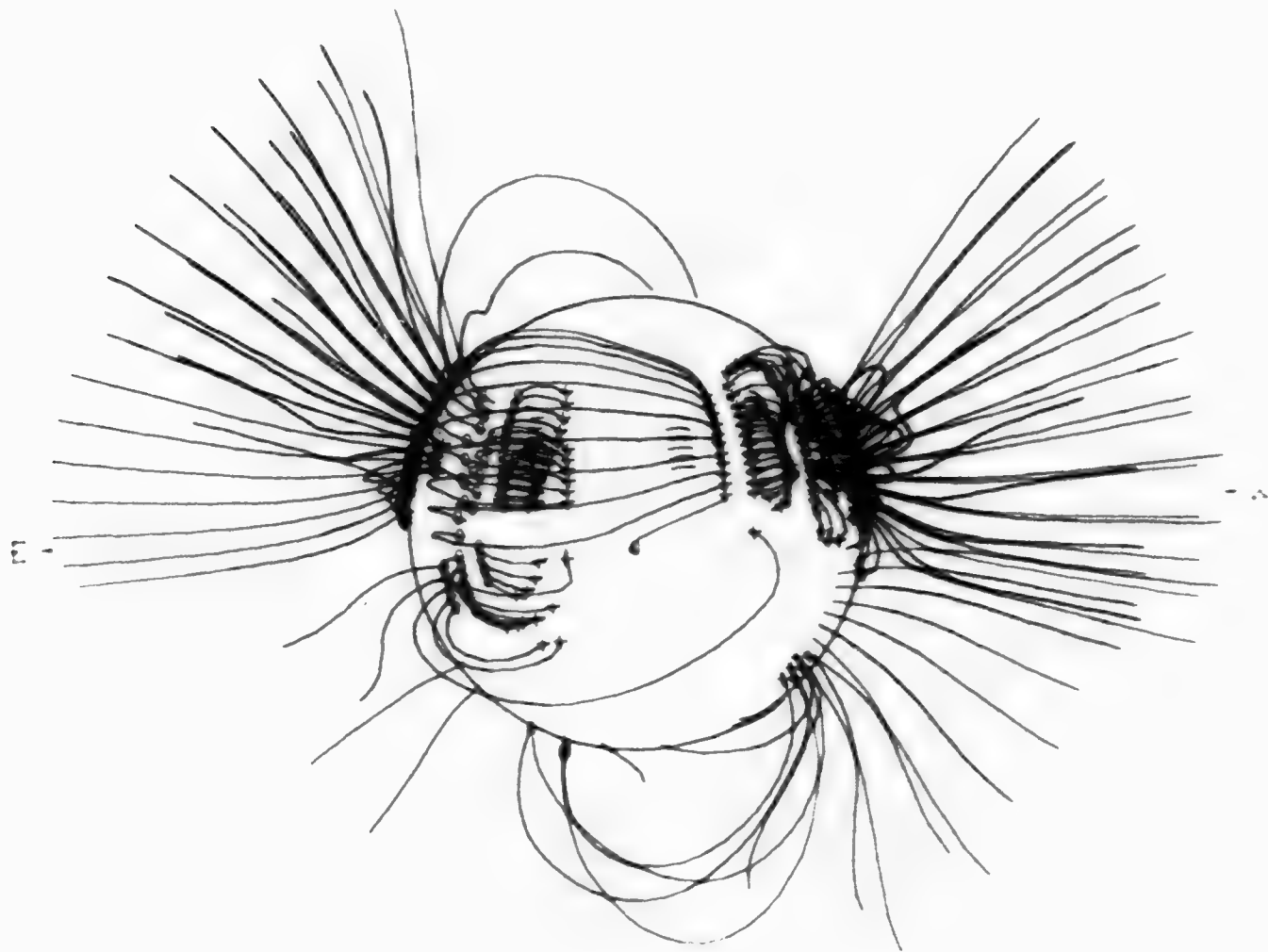
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1924-1925
 1924-1925

HALE OBSERVATORY
 1924-1925
 1924-1925

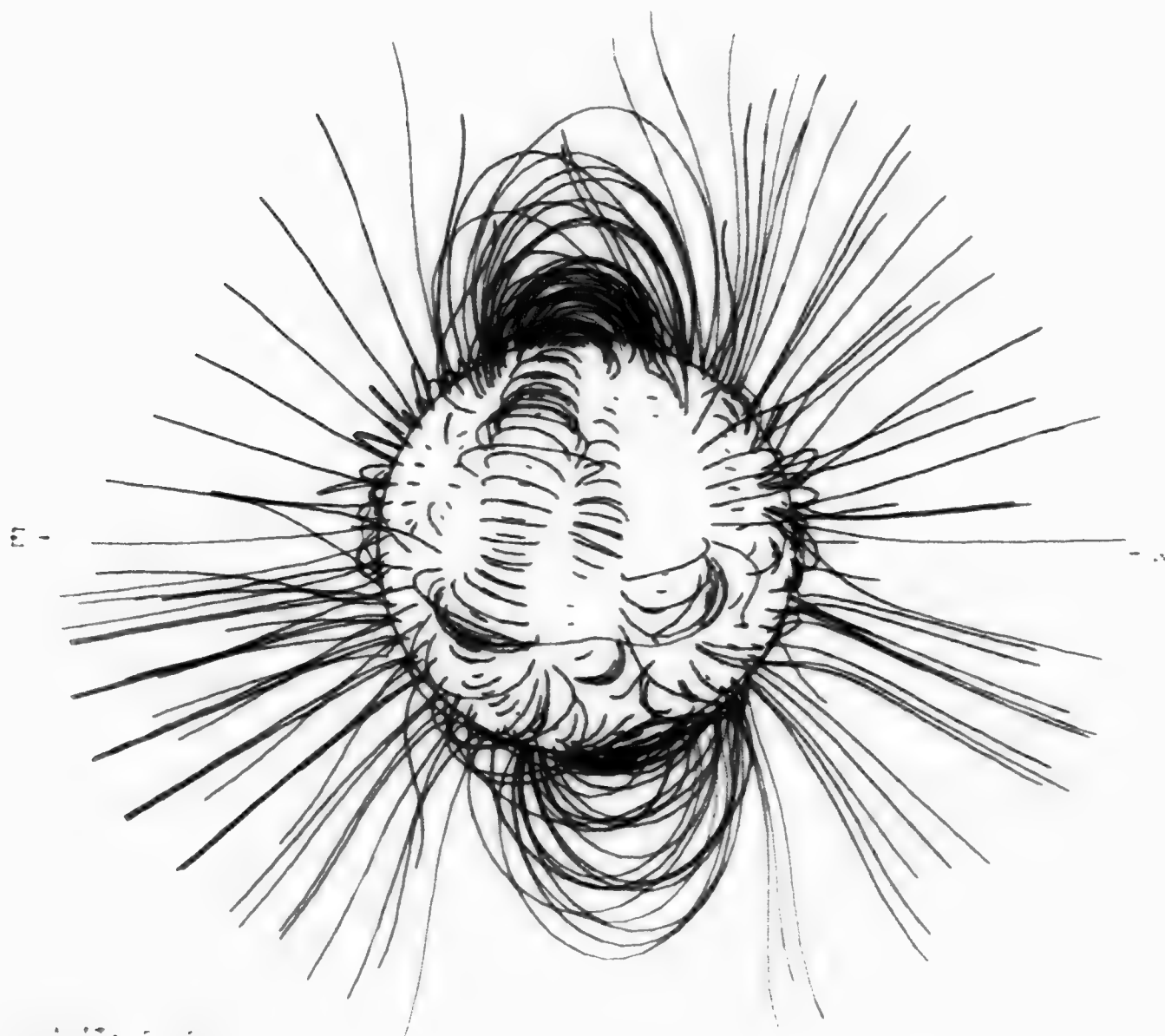
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY 1000
 PAGES 1000
 DATA 1000 1000 1000

ALTY 1000
 PAGES 1000
 DATA 1000 1000 1000

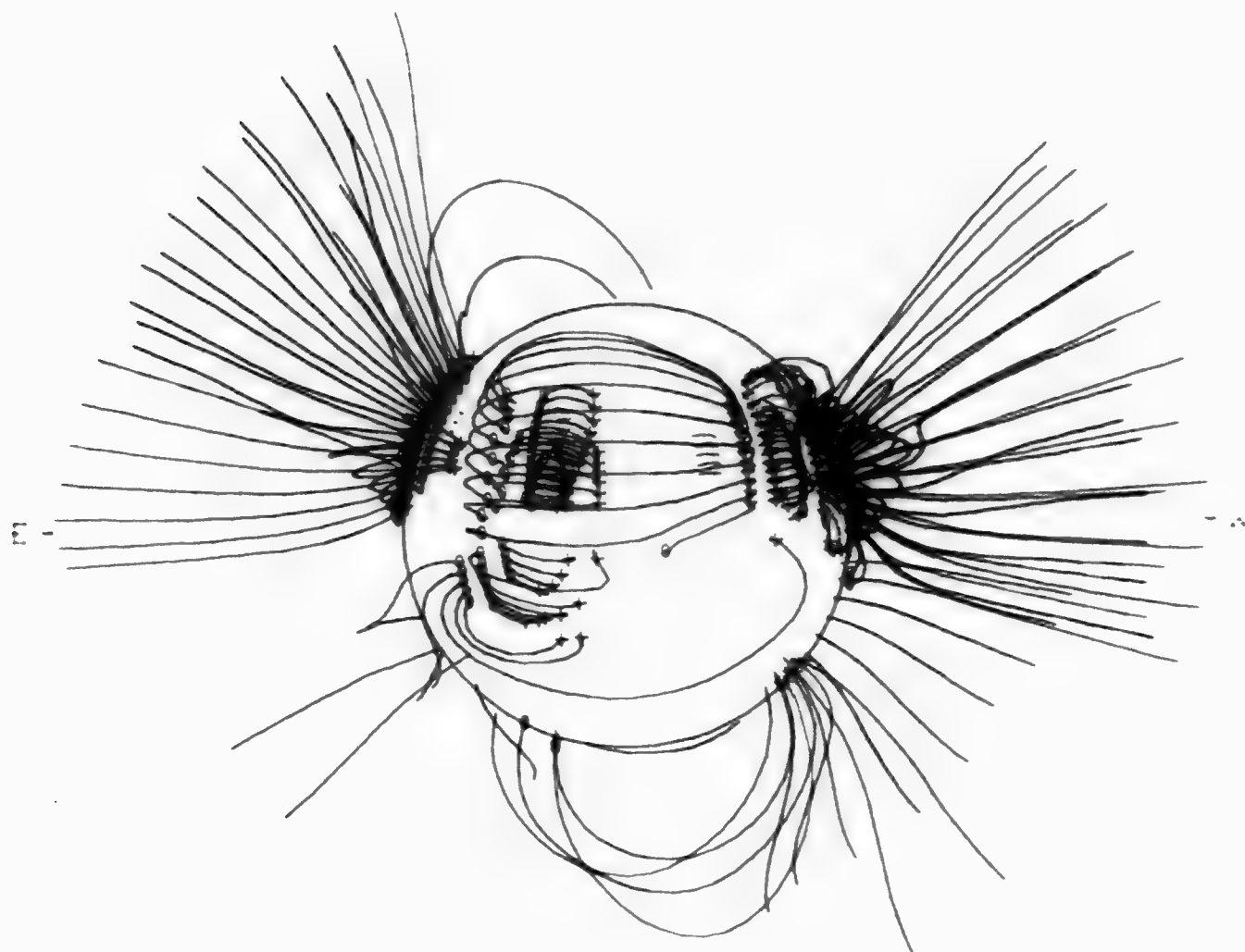
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA 5.1A
 PILES DIRECT
 DATA WITHIN 10.0.14

ALPHA 5.1A
 PILES DIRECT
 DATA WITHIN 10.0.14

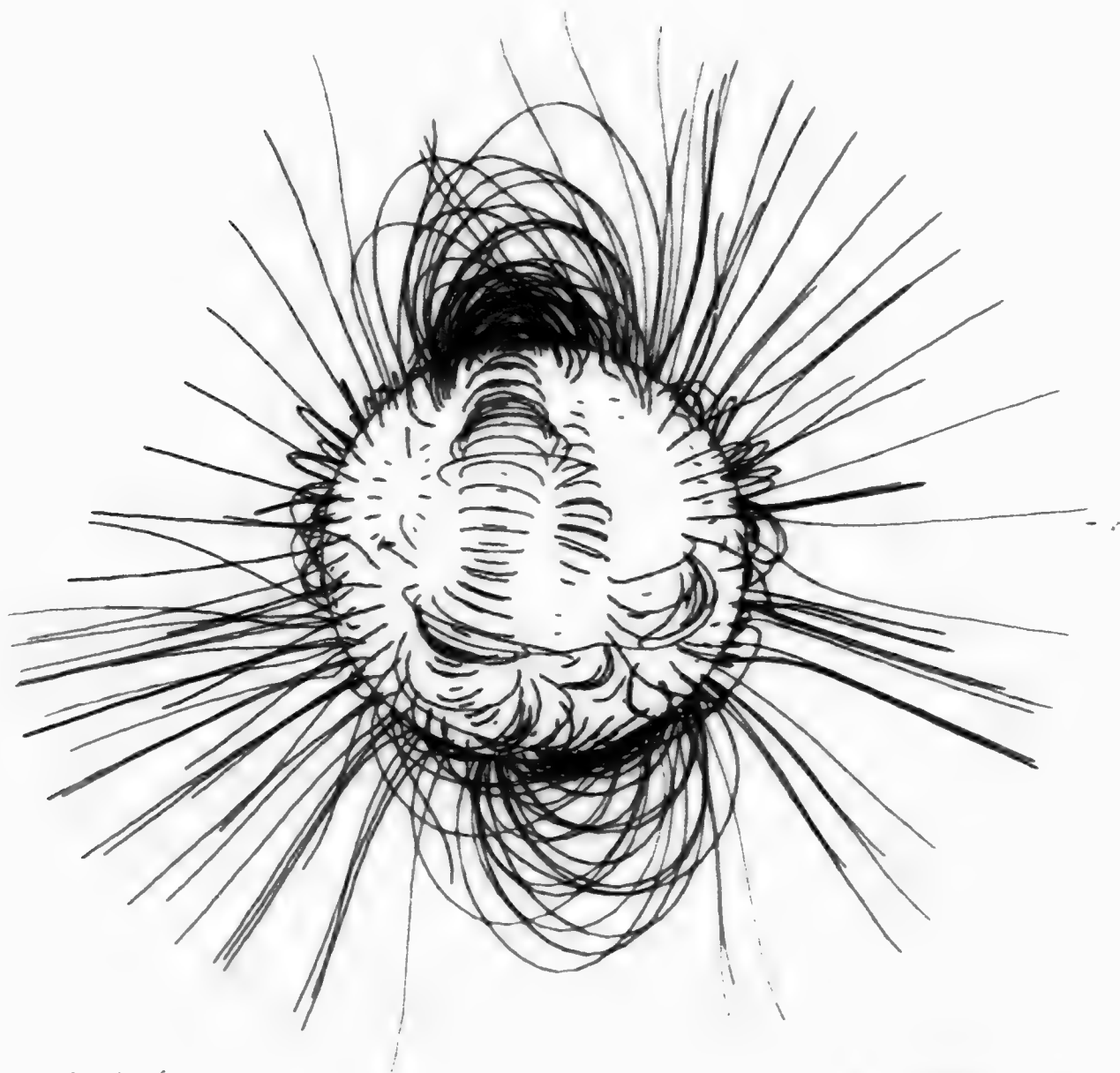
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1917-1918
 DATA FROM 1917-1918

HALE OBSERVATORY
 1917-1918
 DATA FROM 1917-1918

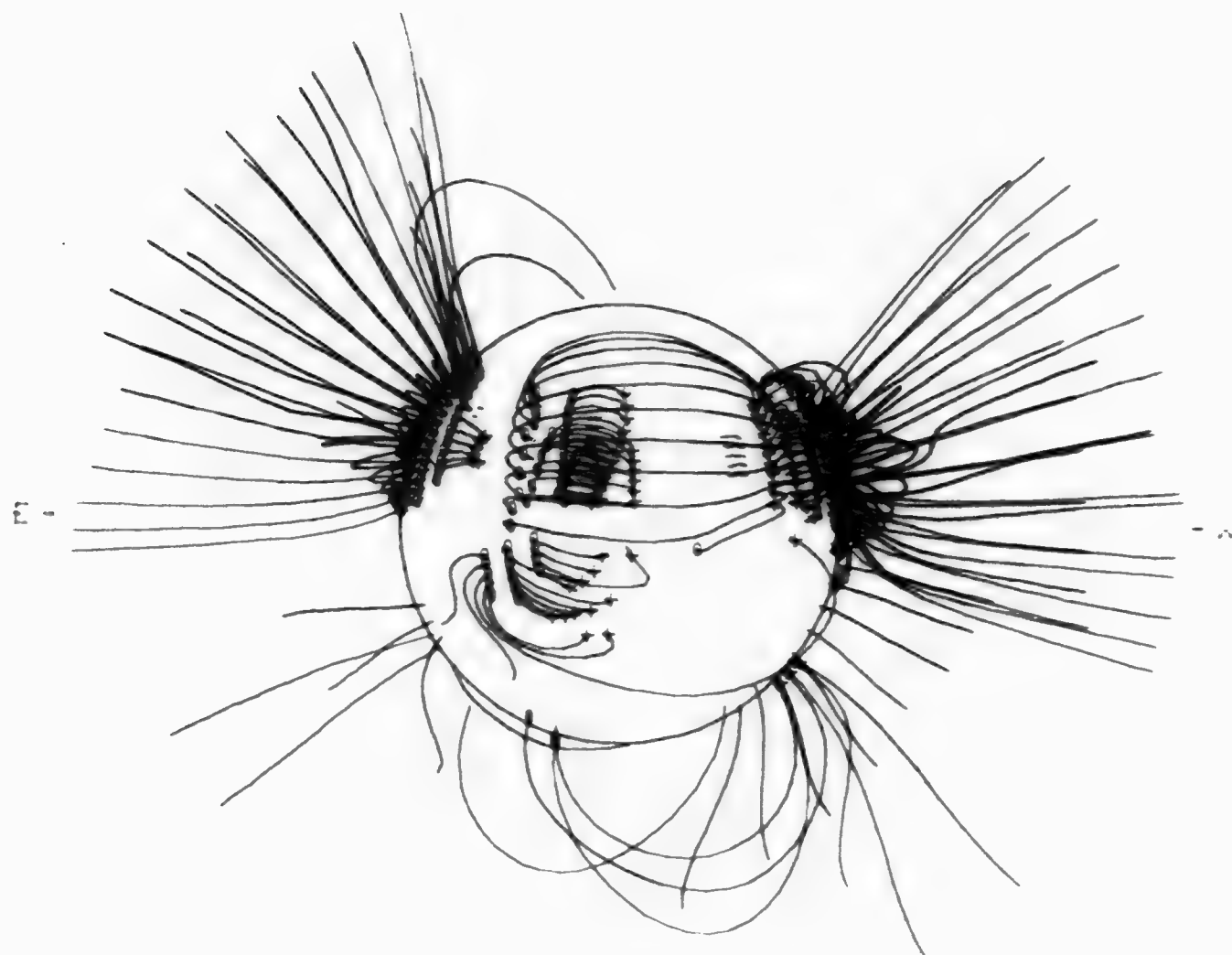
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALES CIRE
 DATA LINE IN 1964.78

HALE OBSERVATORY
 HALES CIRE
 DATA LINE IN 1964.78

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALE OBSERVATORY
 HALE OBSERVATORY

HALE OBSERVATORY
 HALE OBSERVATORY
 HALE OBSERVATORY

NO OBSERVATIONS

ROT. 1530 LONG. 70--ROT. 1531 LONG. 280

6.1 FEB 1968--18.3 FEB 1968

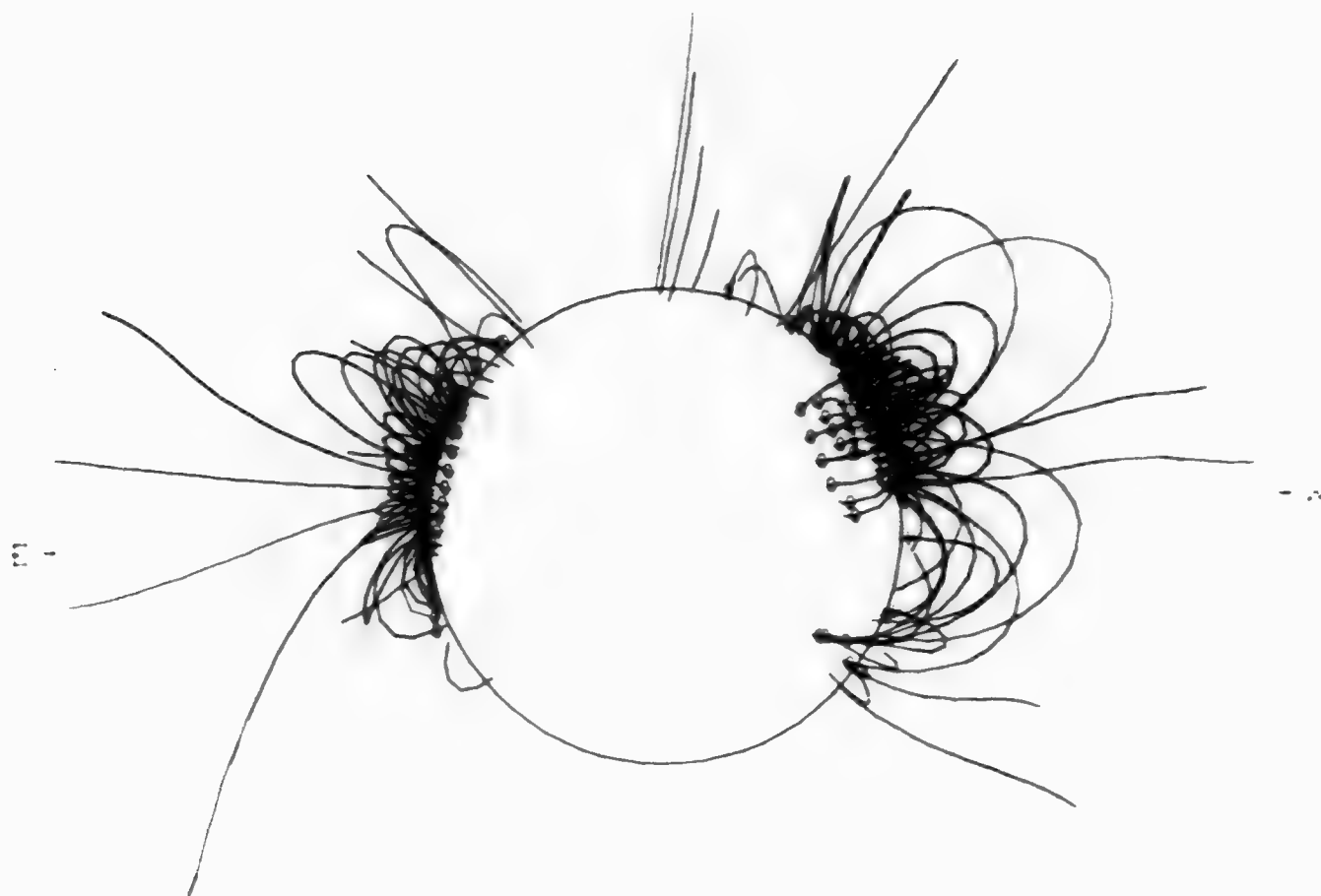
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPINE CLUB
FUND 1900
DATA 1910-1911

ALPINE CLUB
FUND 1900
DATA 1910-1911

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

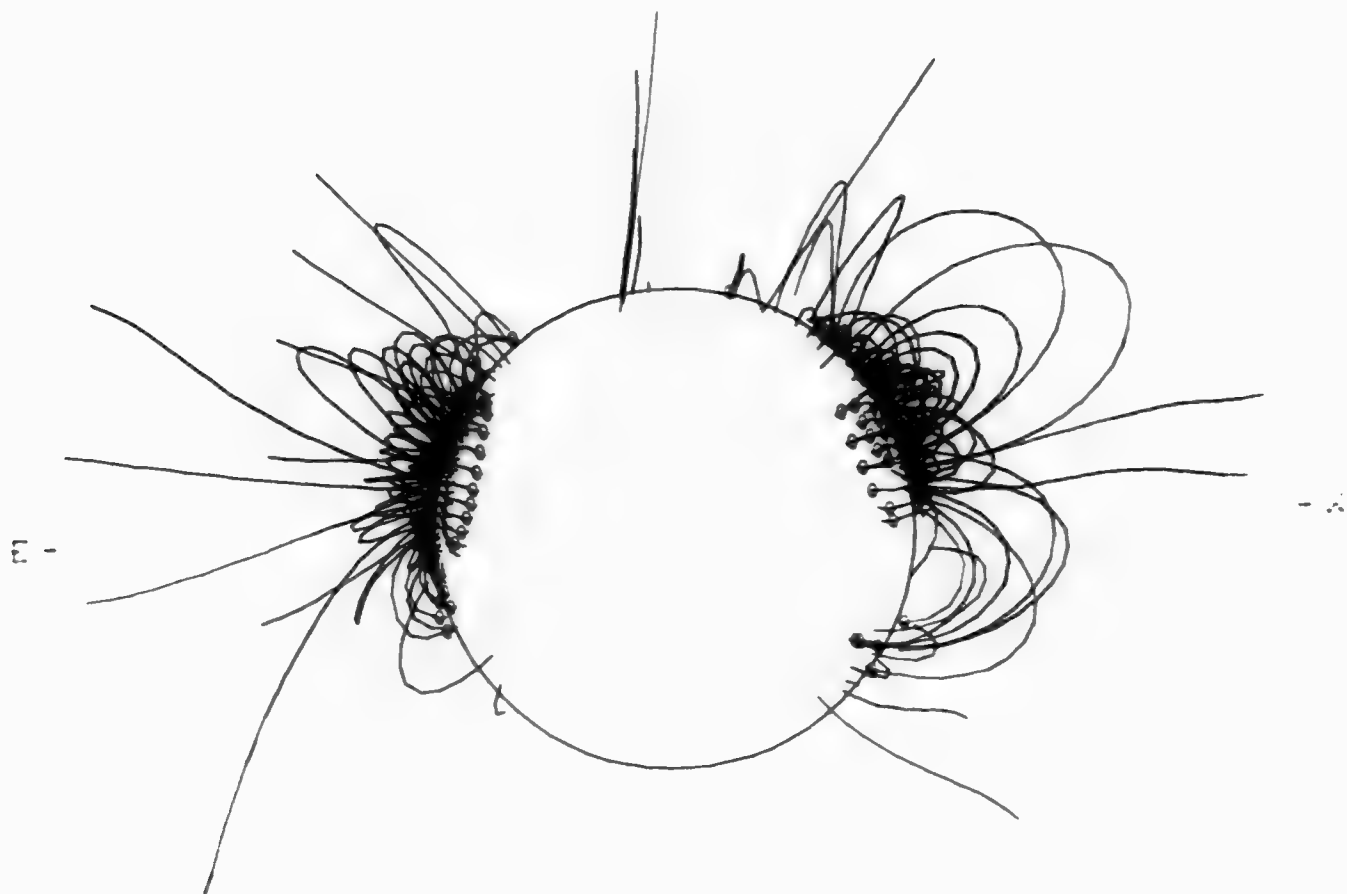
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES 1000
 DATA 1000 1000 1000

HALE OBSERVATORY
 PAGES 1000
 DATA 1000 1000 1000

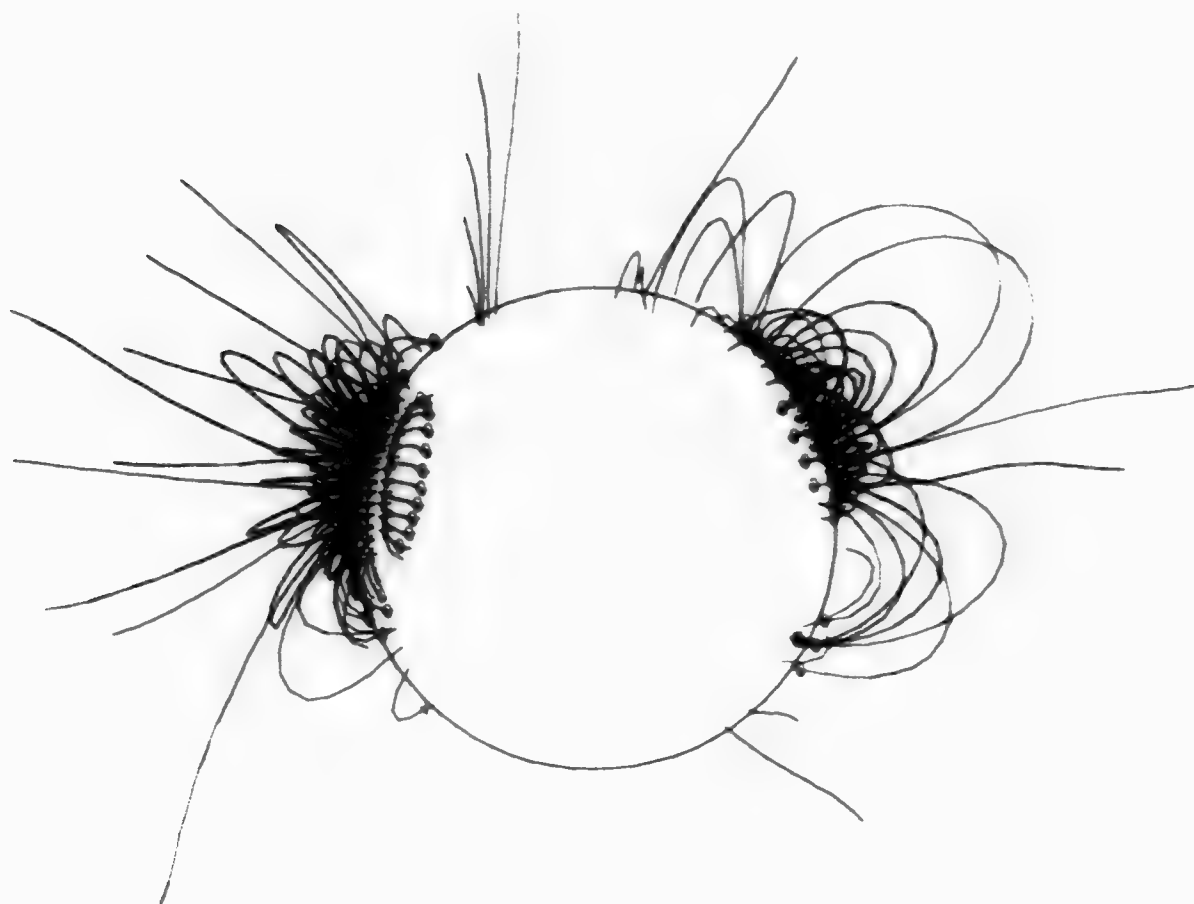
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
F. J. HALE
C. A. HALE

HALE OBSERVATORY
F. J. HALE
C. A. HALE

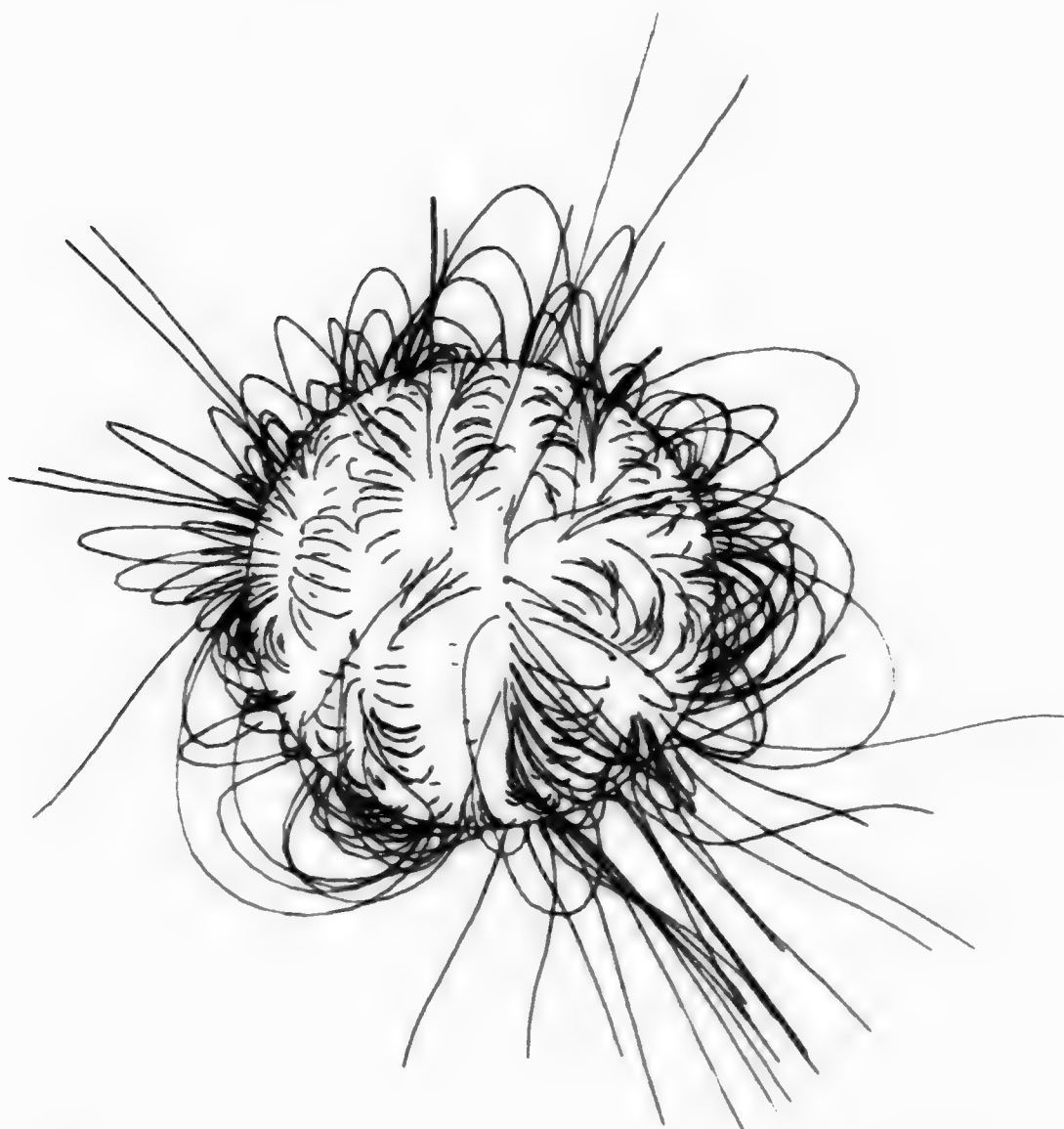
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

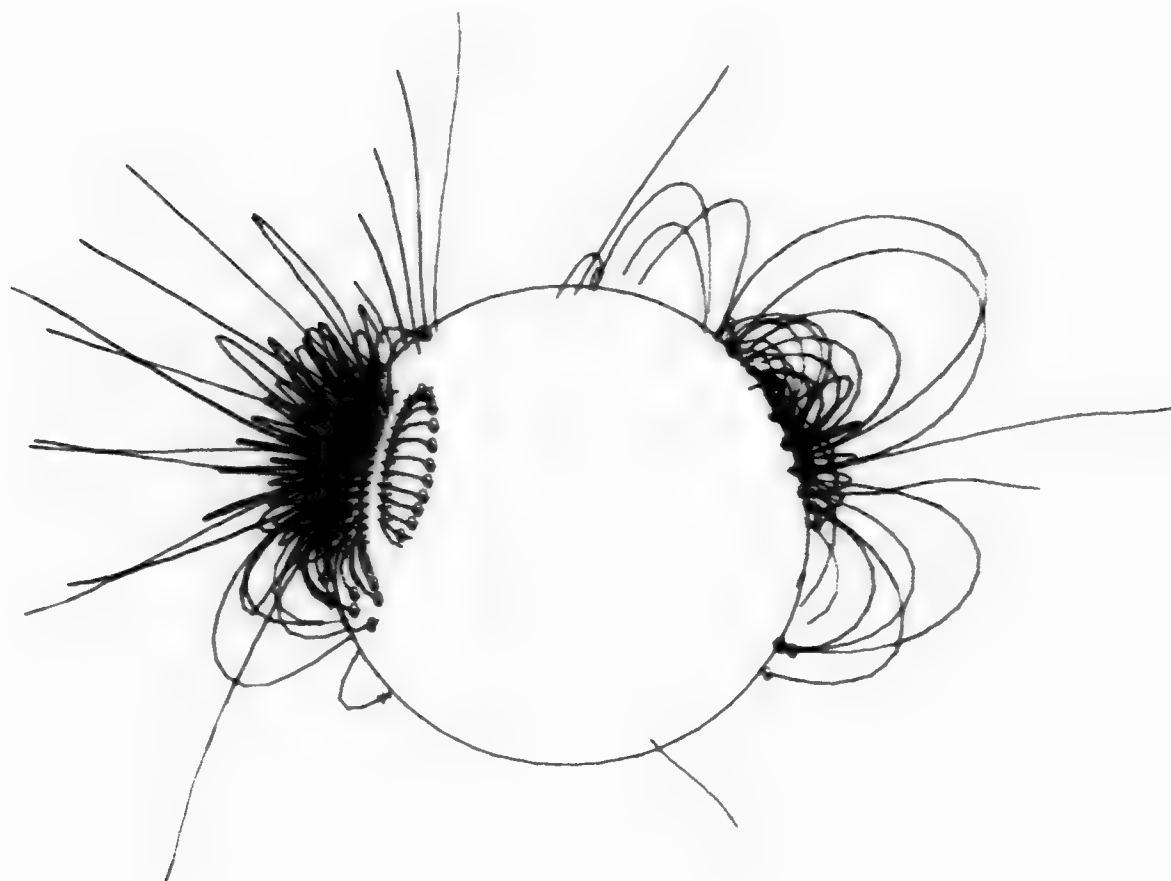


E -

ALITY FOR
 PLEASANT
 DATA AND...

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 ...
 ...

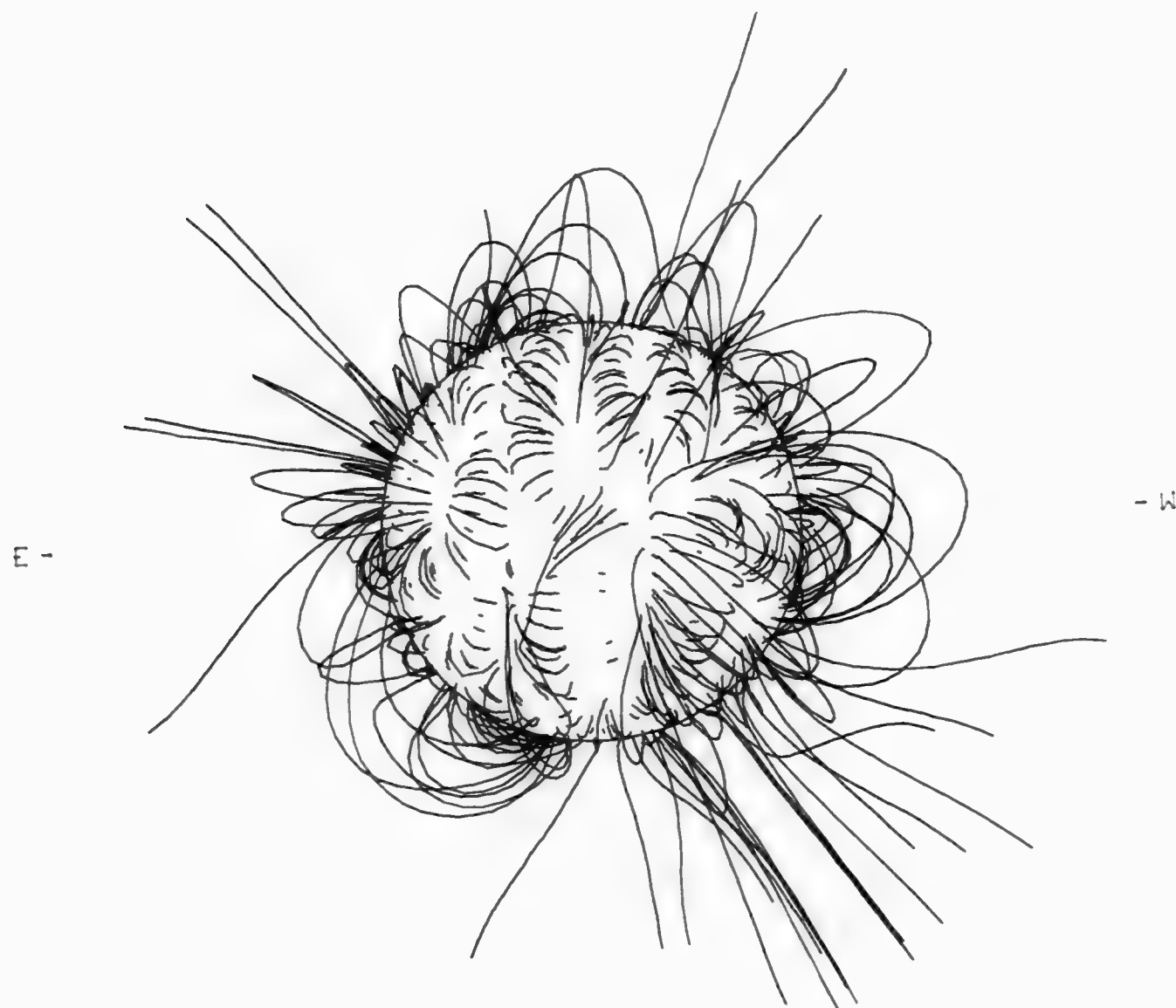
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

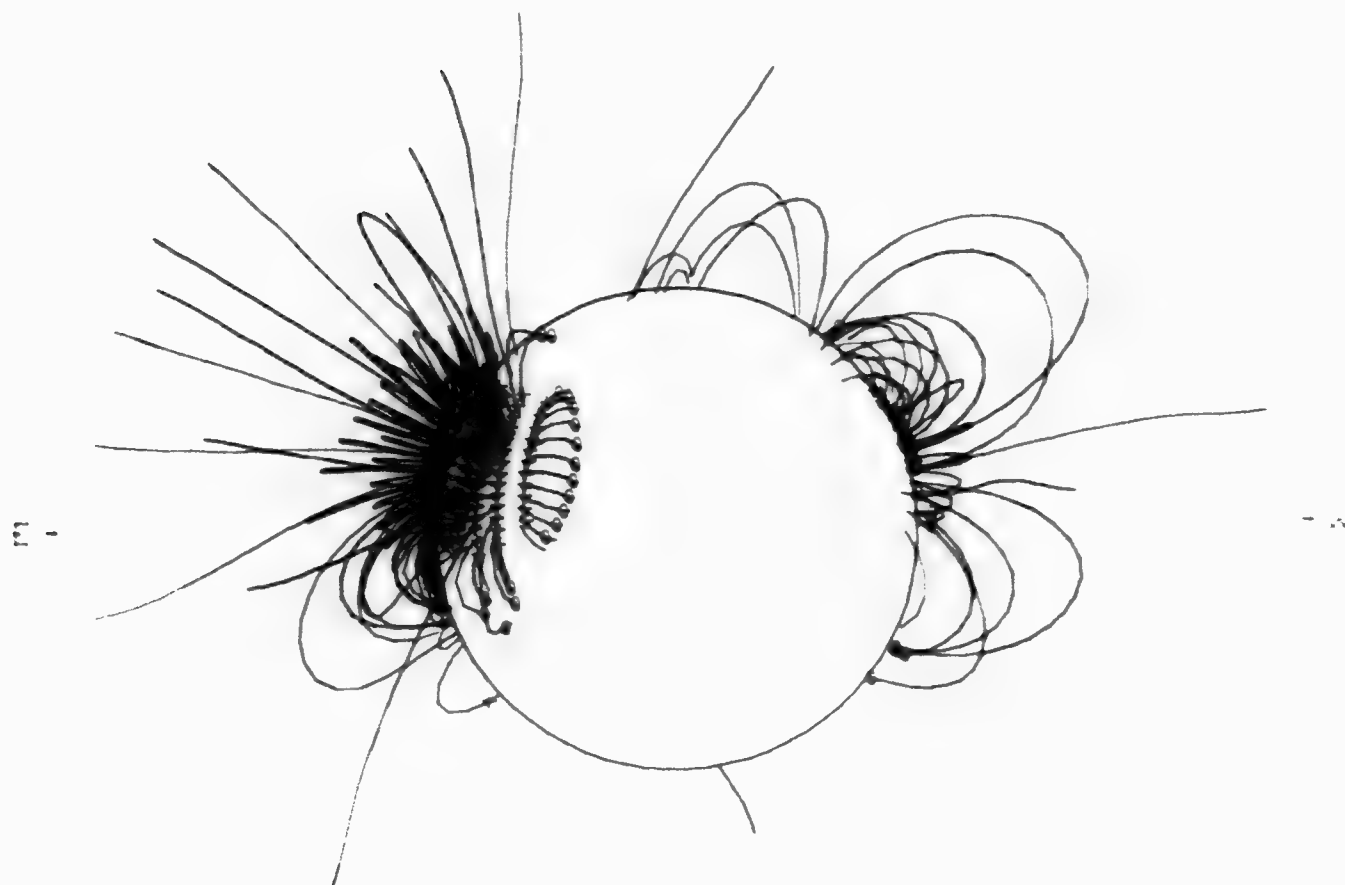


QUALITY POOR
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 DATA ACQ. ON 1531.22

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RUT. '53' LONG. 23°
 22.0 FEB 1958

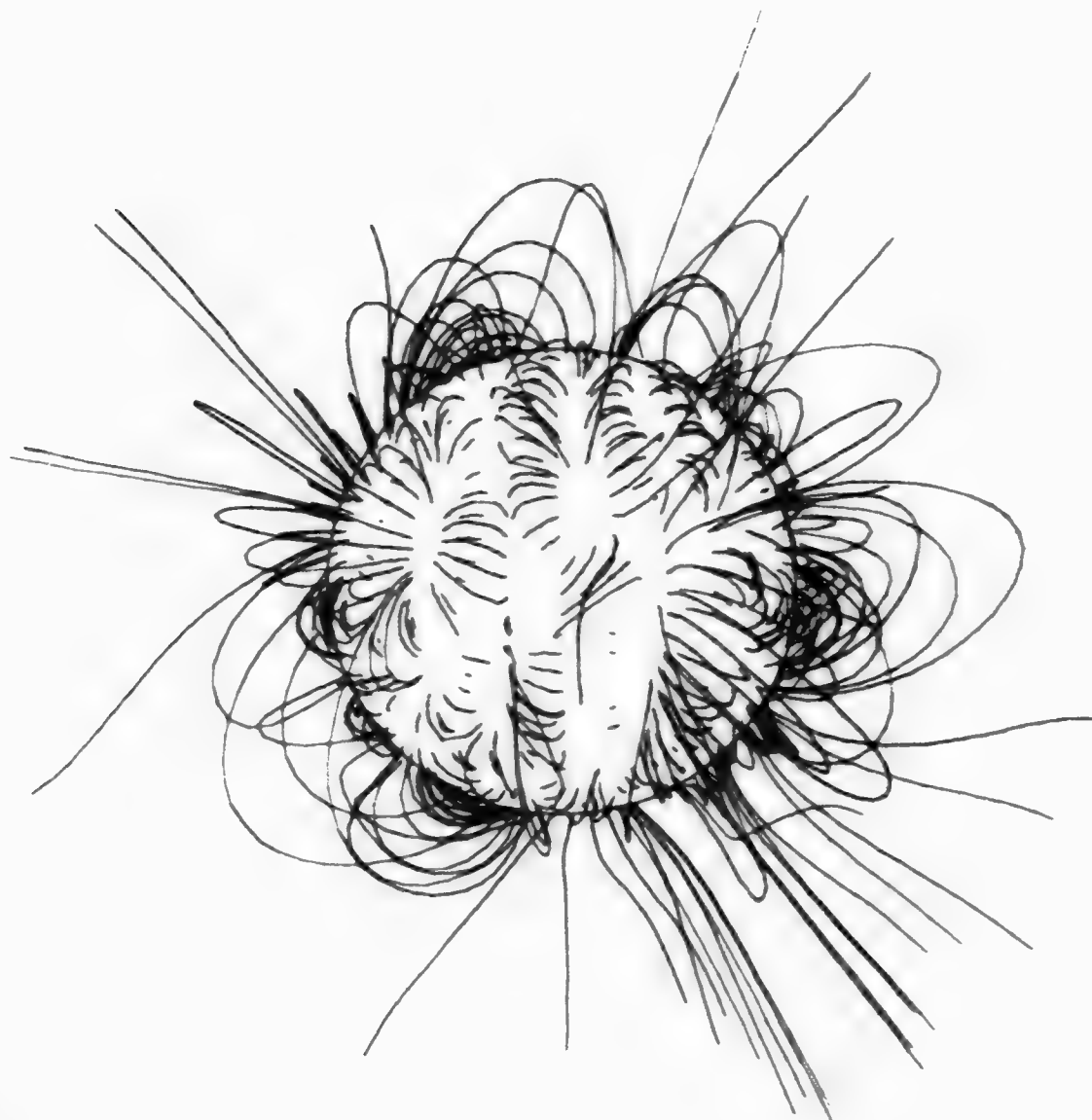
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
H.A. 1900
H.A. 1900

HALE
H.A. 1900
H.A. 1900

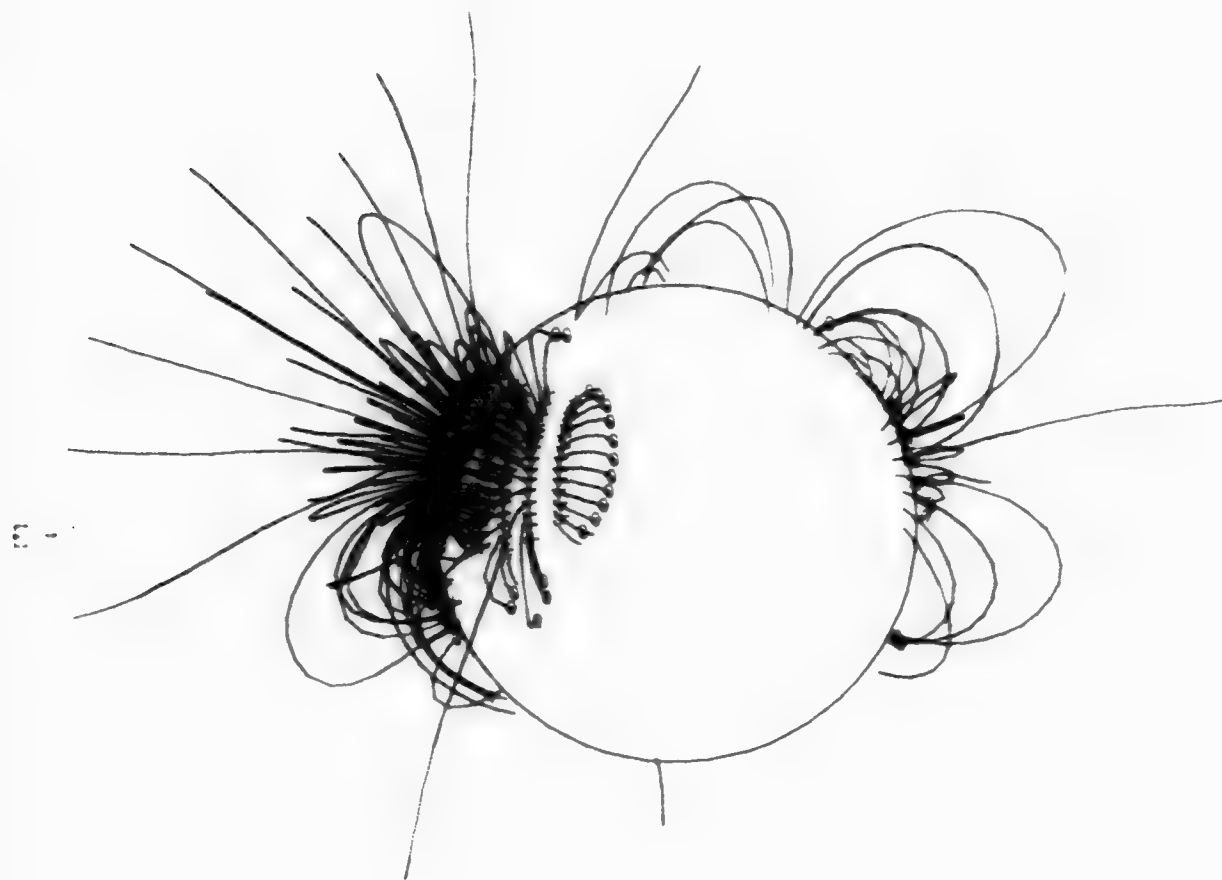
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

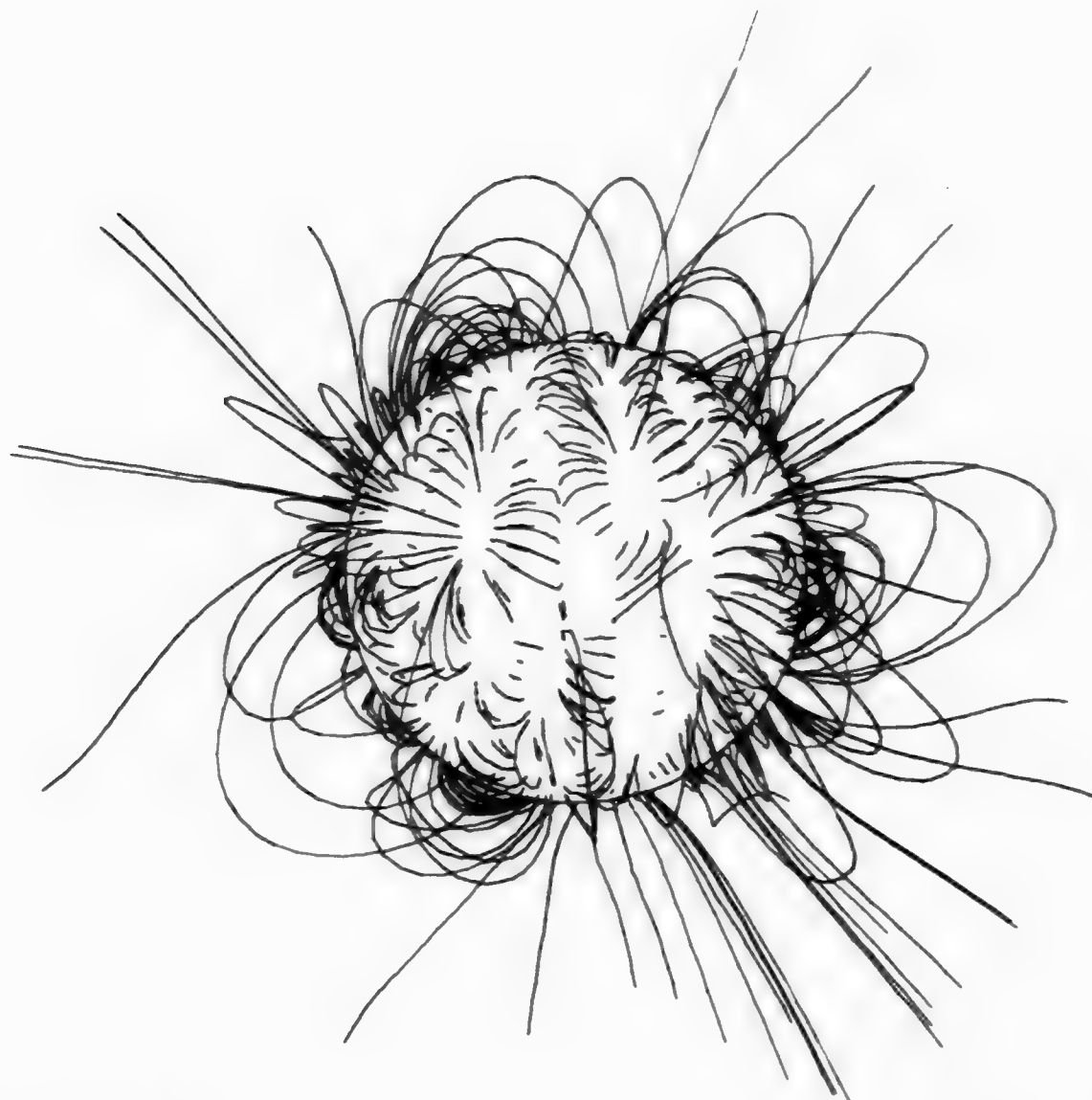
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AND/OR 1981...

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA AND/OR 1981...

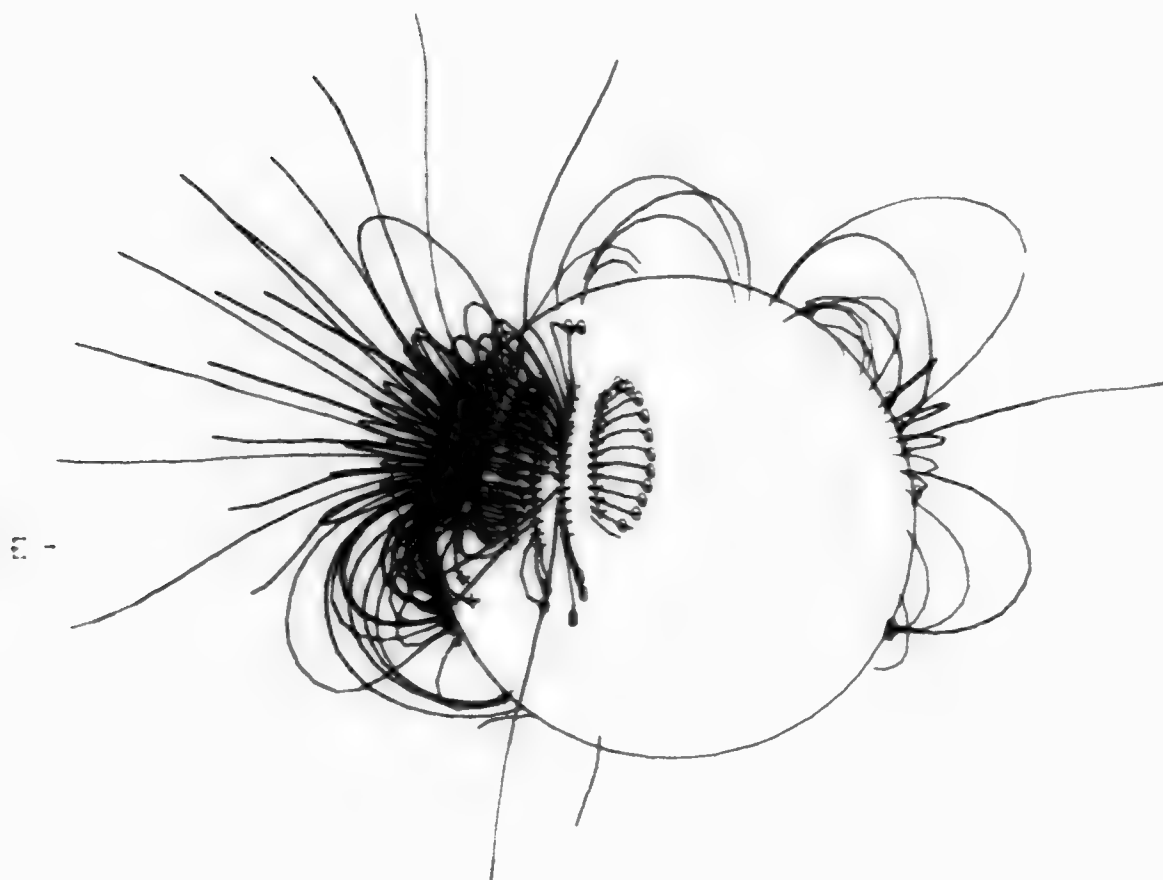
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUEBLO COUNTY
COLORADO 81001

HALE OBSERVATORY
PUEBLO COUNTY
COLORADO 81001

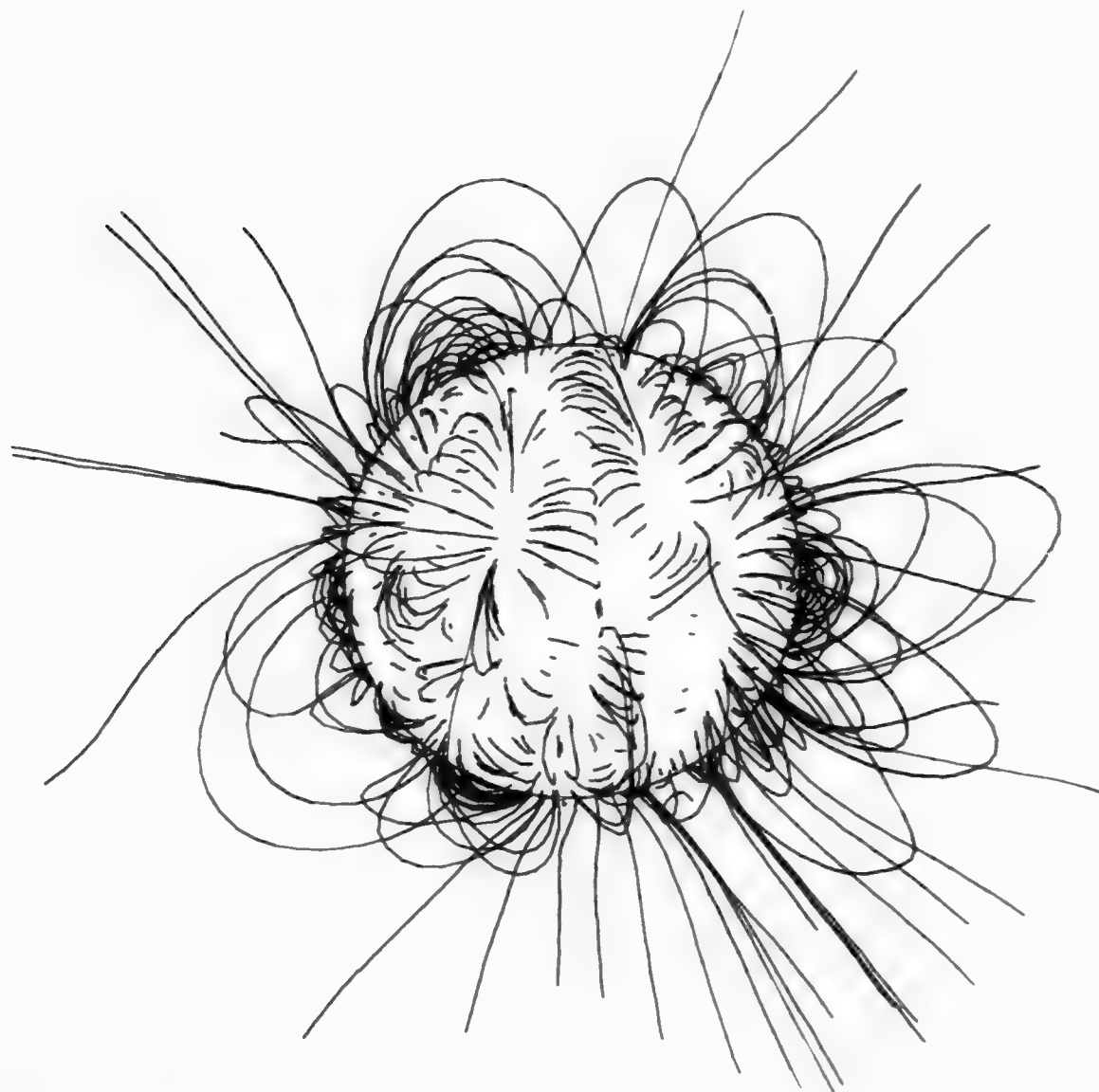
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

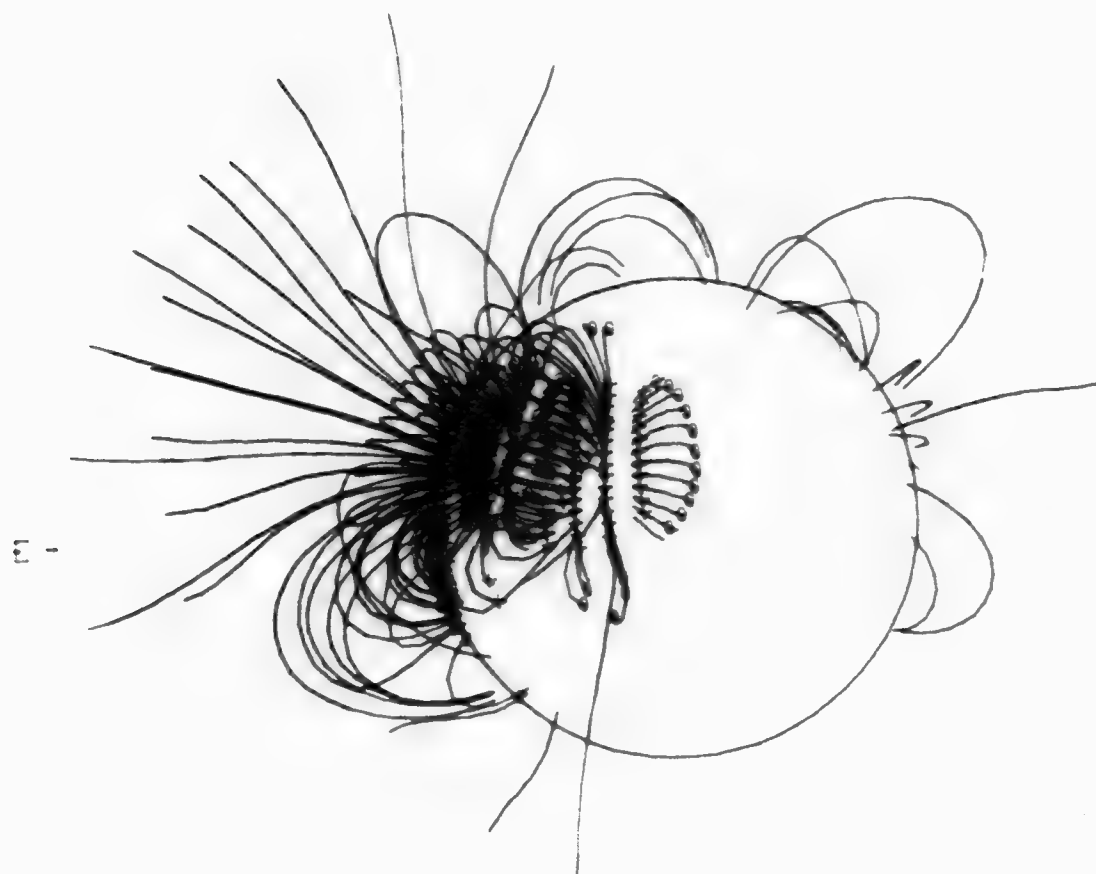


E -

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA CENTER

HALE OBSERVATORY
 HAILE OBSERVATORIES
 DATA CENTER

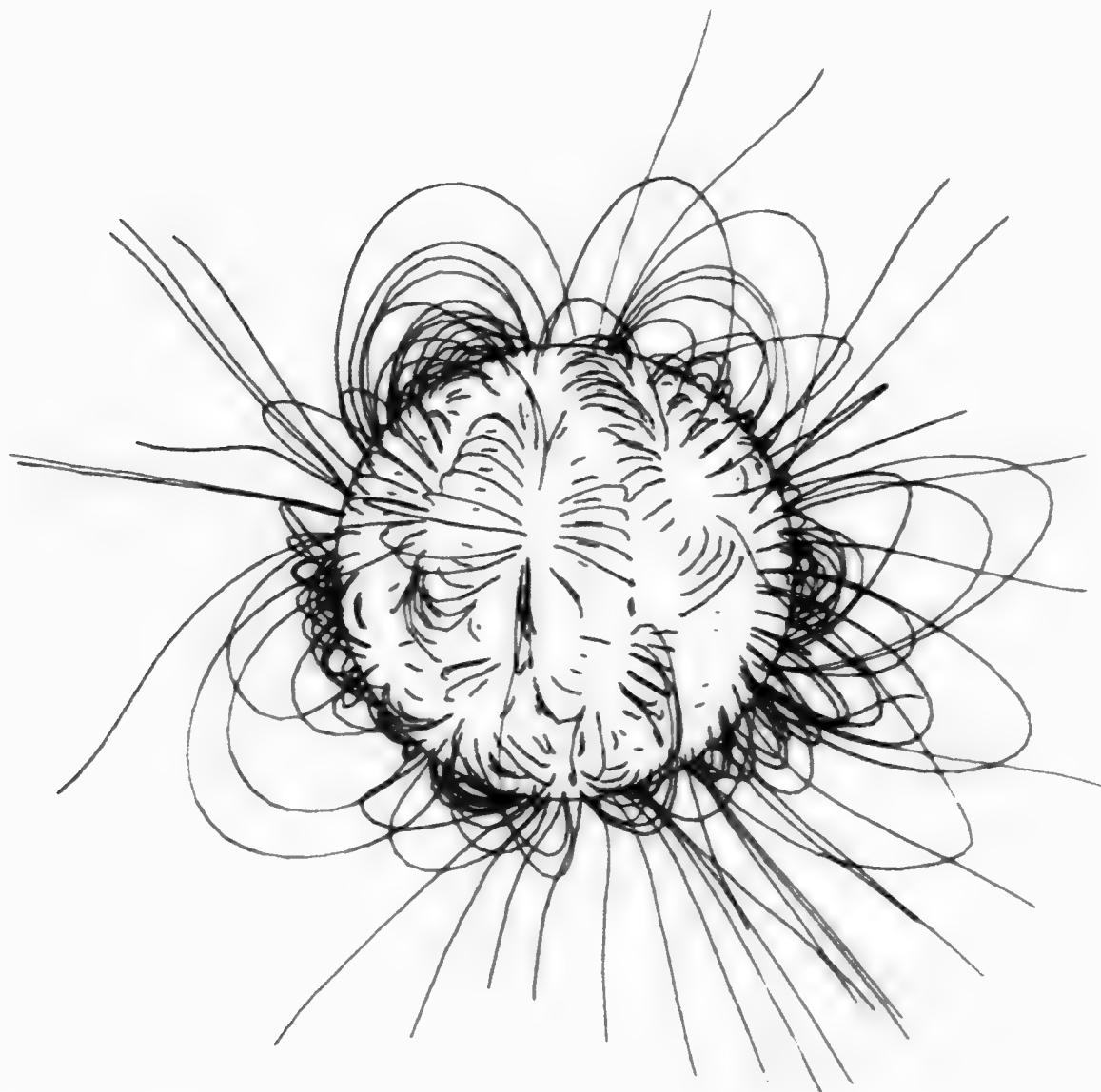
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

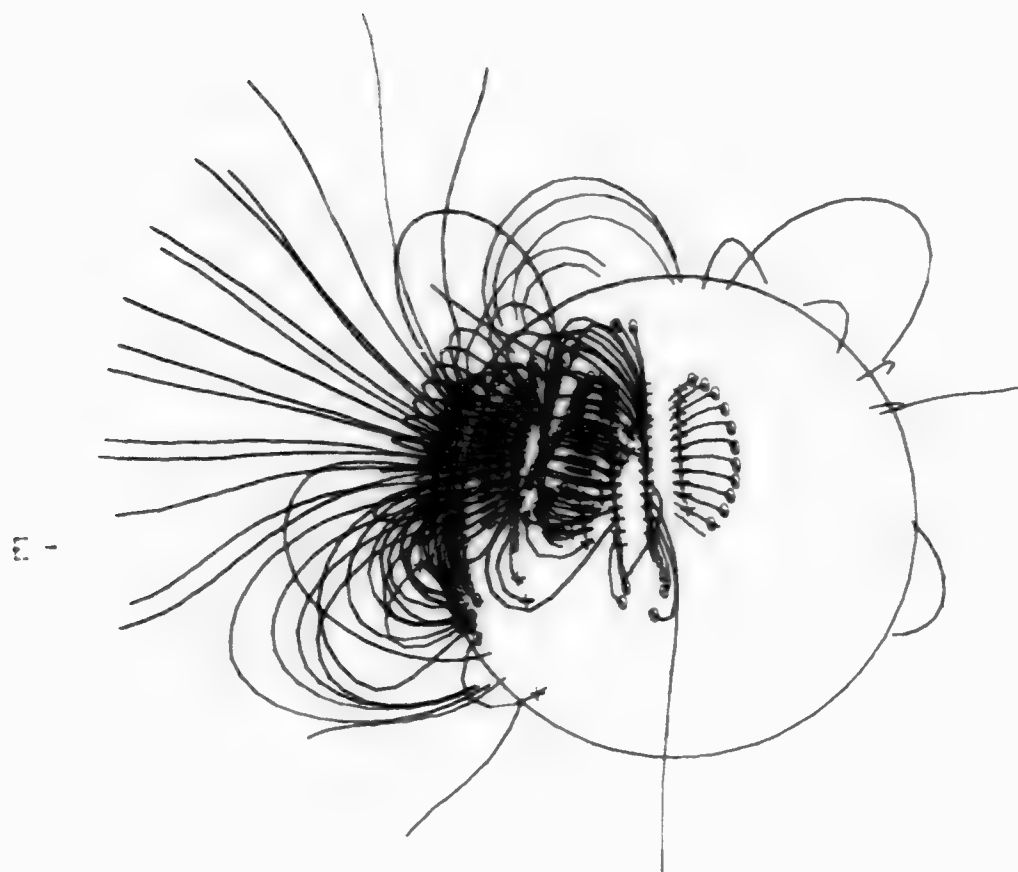
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY

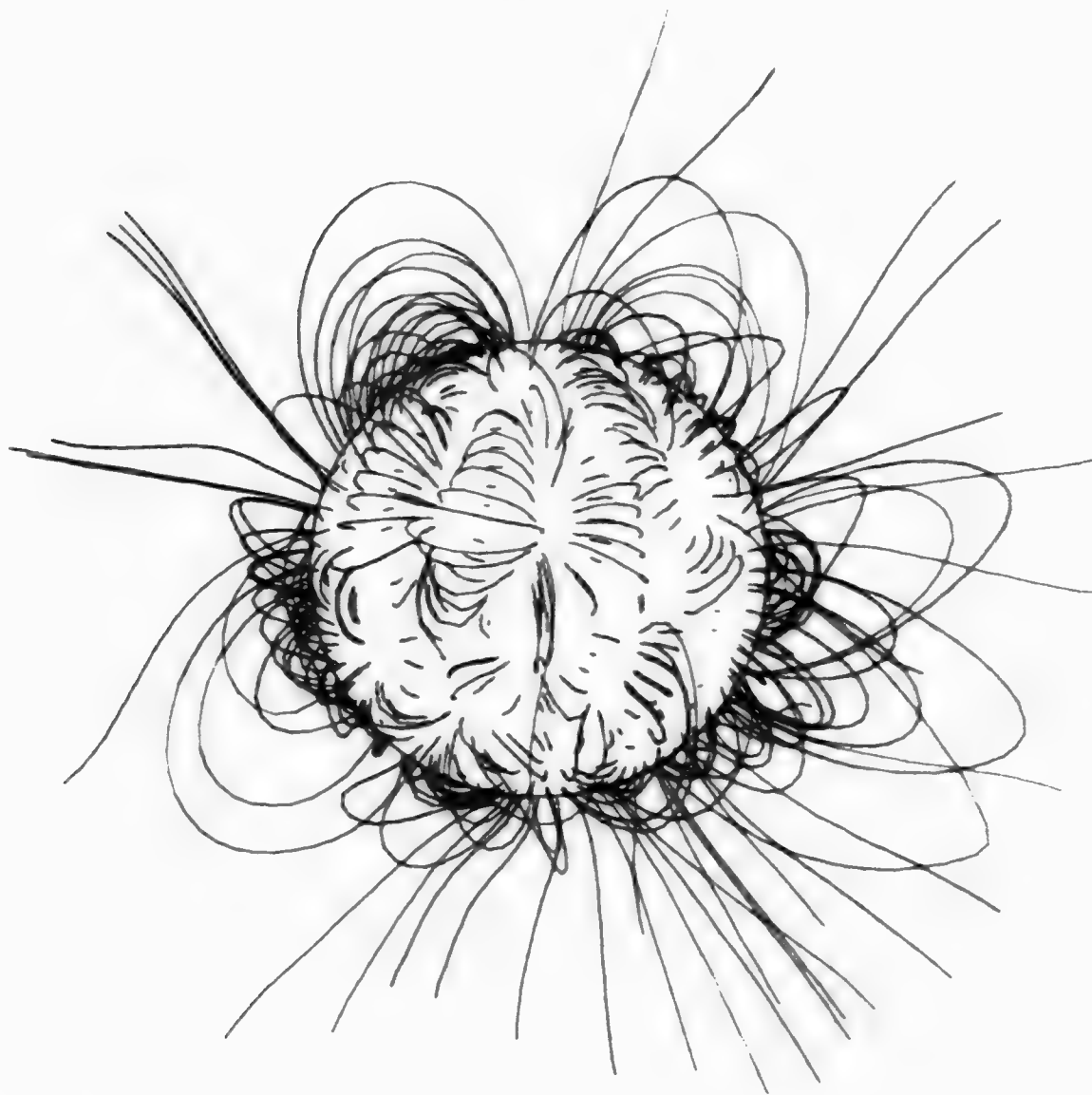
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY

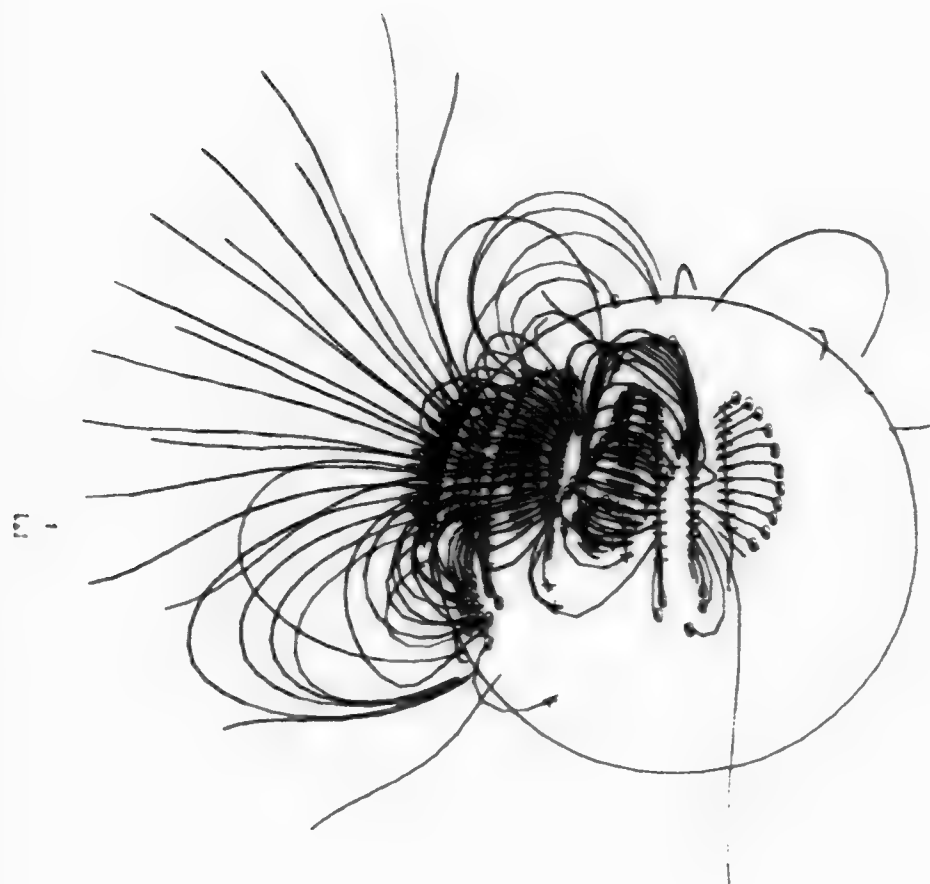
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

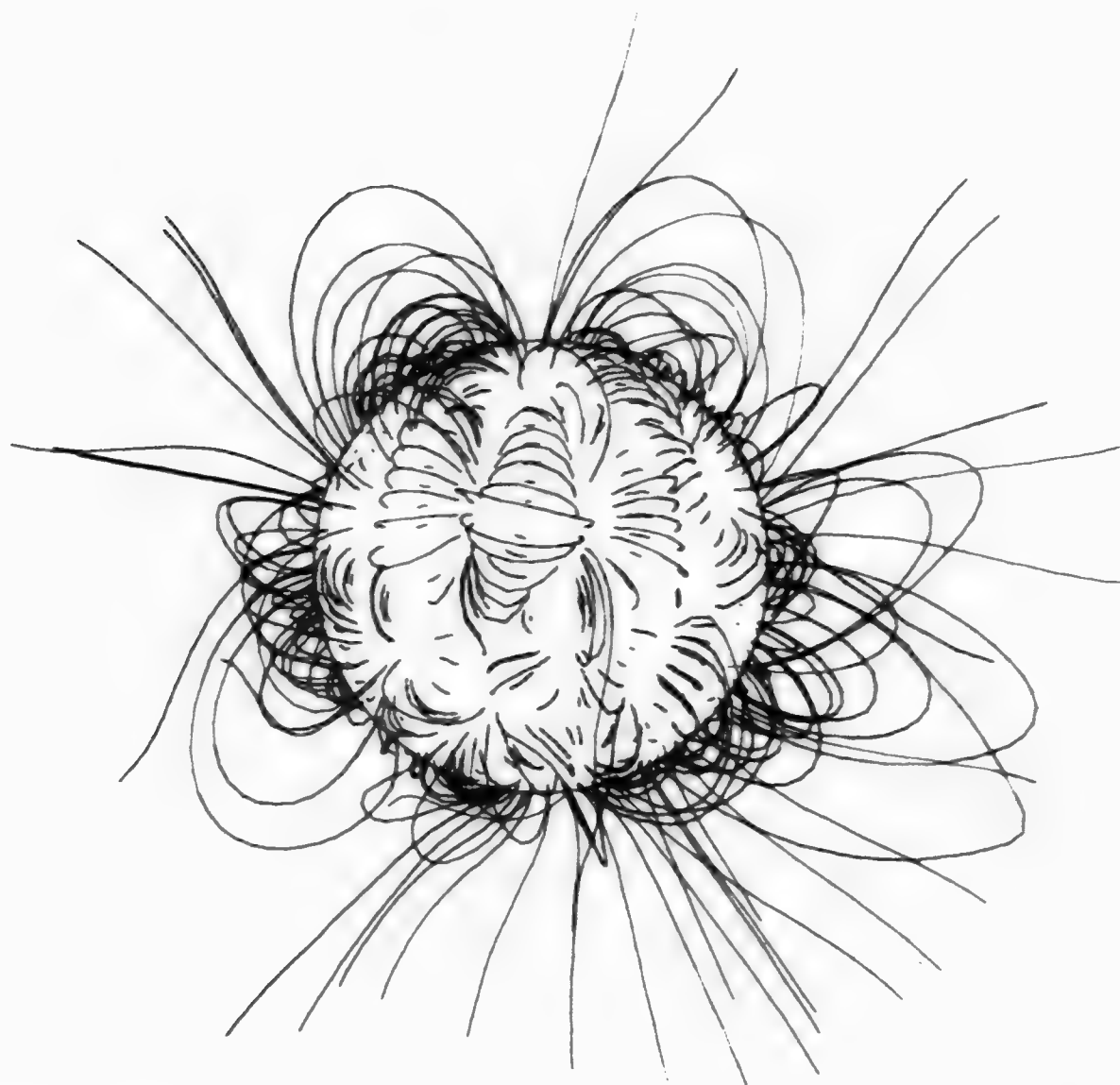
HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

HALE OBSERVATORY

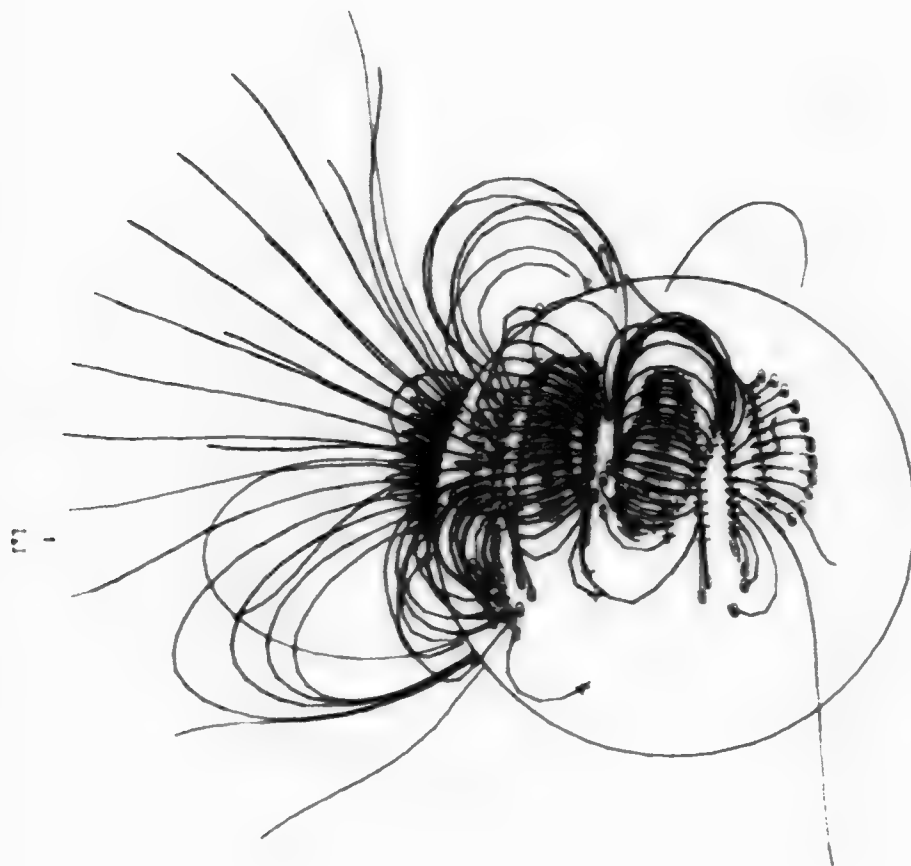
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

HALE OBSERVATORY
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HALE OBSERVATORY

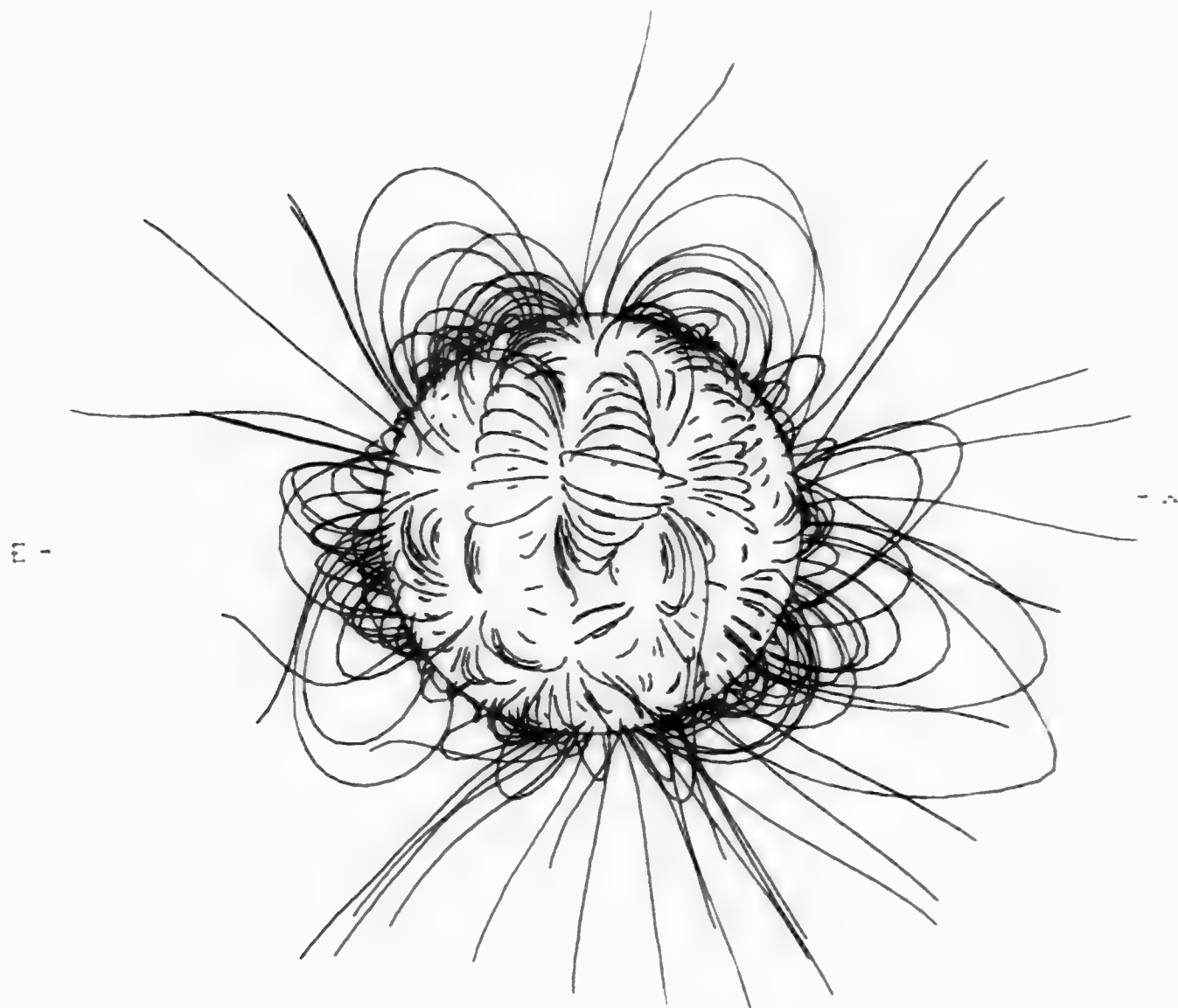
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO COUNTY
 COLORADO 81001

HALE OBSERVATORY
 PUEBLO COUNTY
 COLORADO 81001

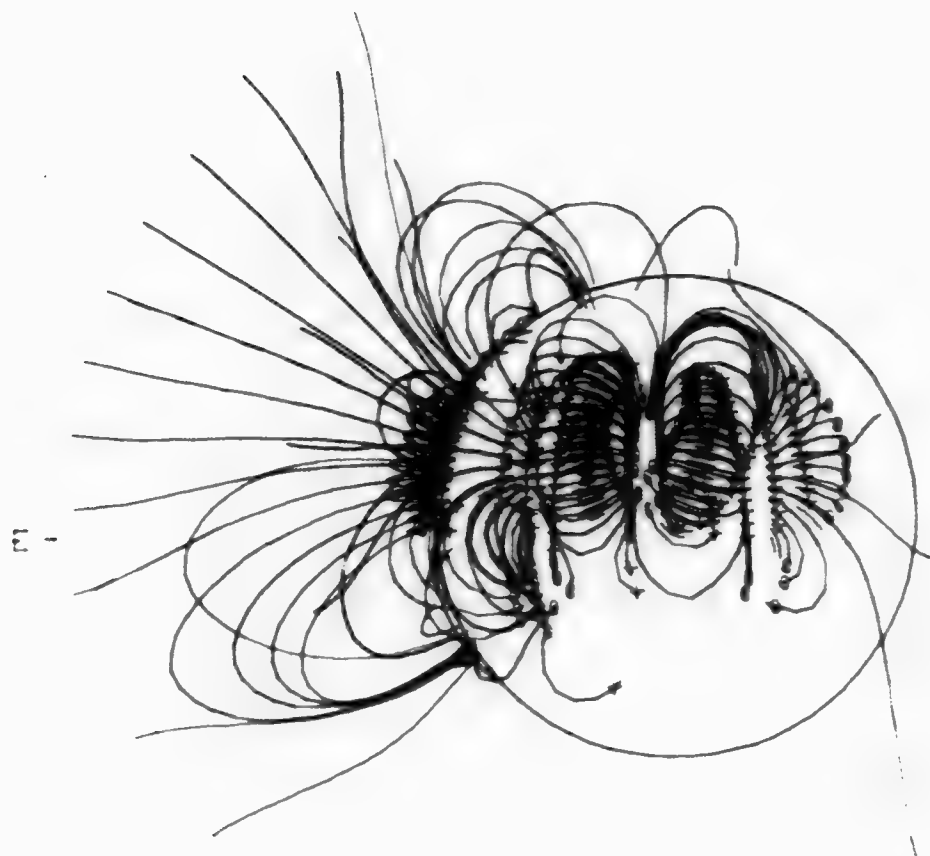
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR
POLES DIRECT
DATA WITHIN 1000...

20.0000 100.0000
20.0000 100.0000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

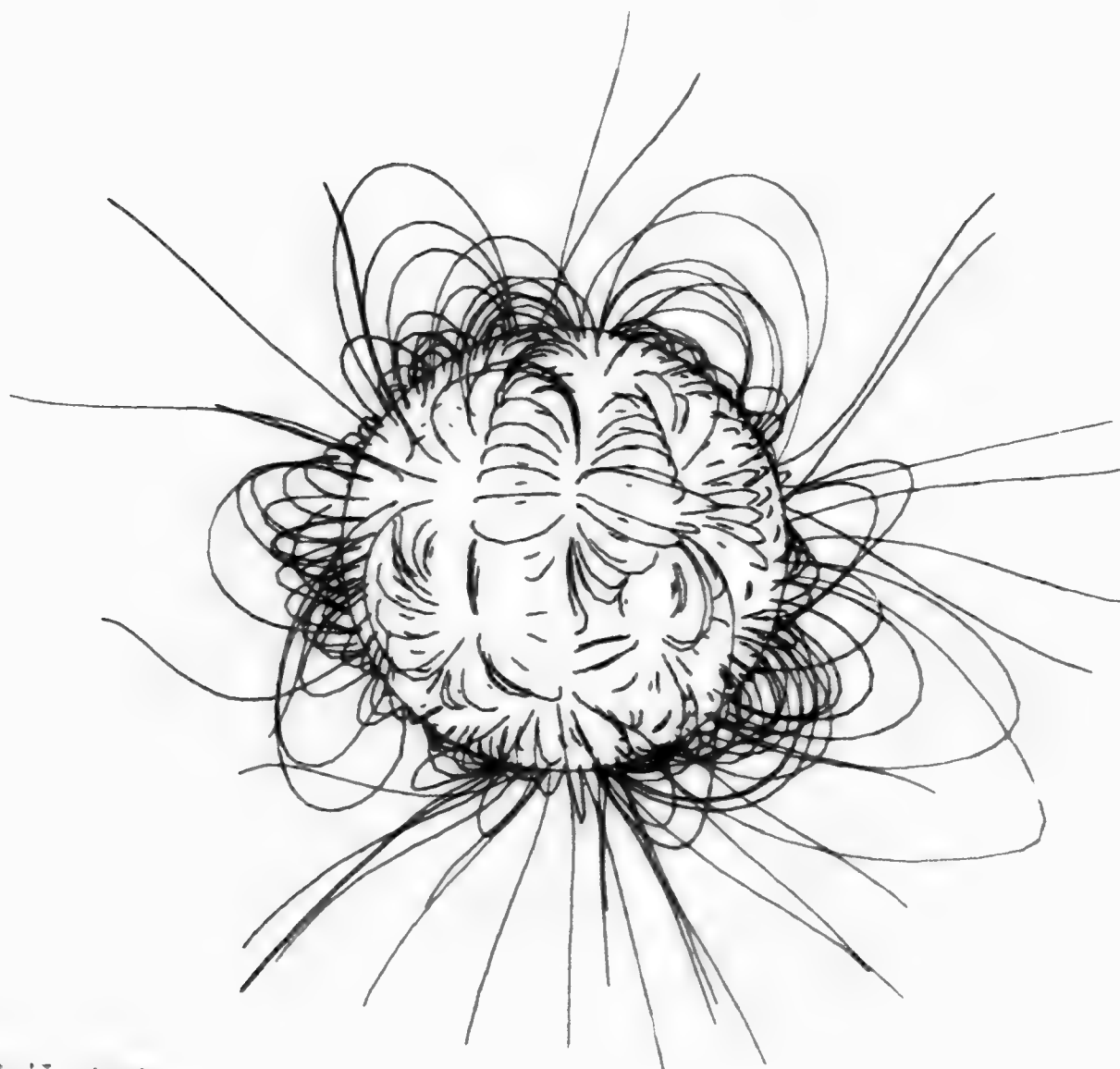


HALE OBSERVATORIES
 HALE OBSERVATORIES
 HALE OBSERVATORIES

HALE OBSERVATORIES
 HALE OBSERVATORIES
 HALE OBSERVATORIES

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

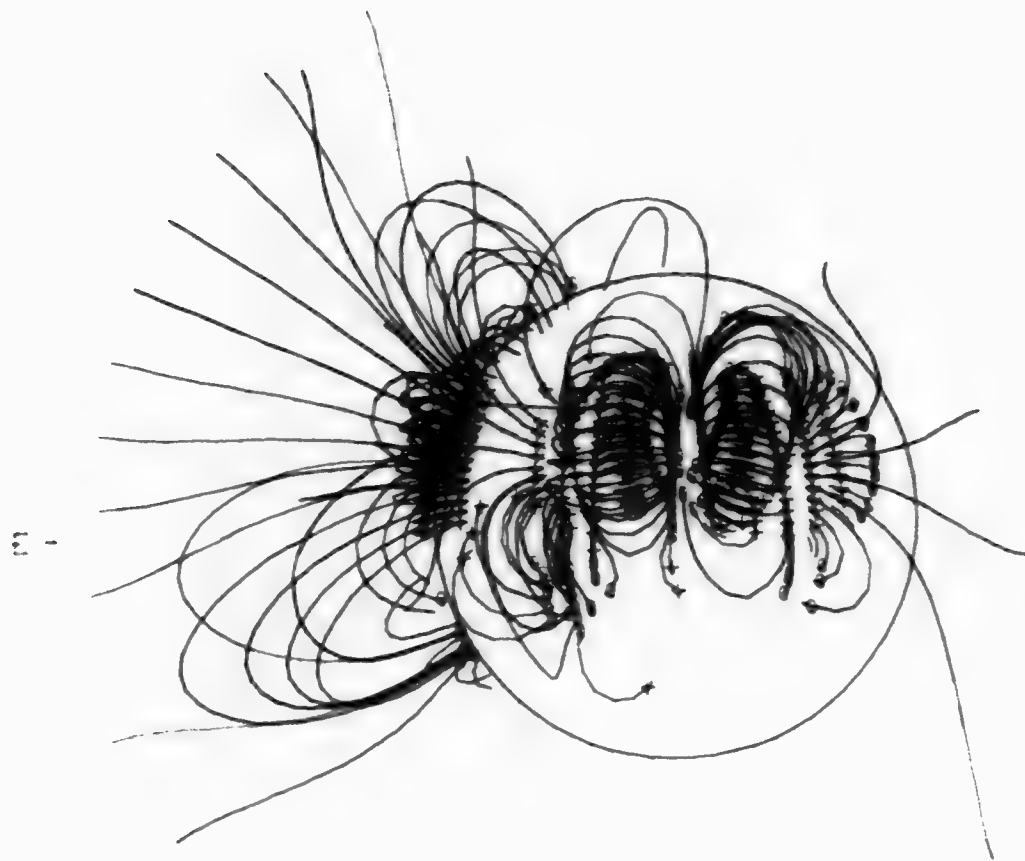
E -



HALE OBSERVATORY
 1917-1918
 1919-1920

HALE OBSERVATORY
 1921-1922
 1923-1924

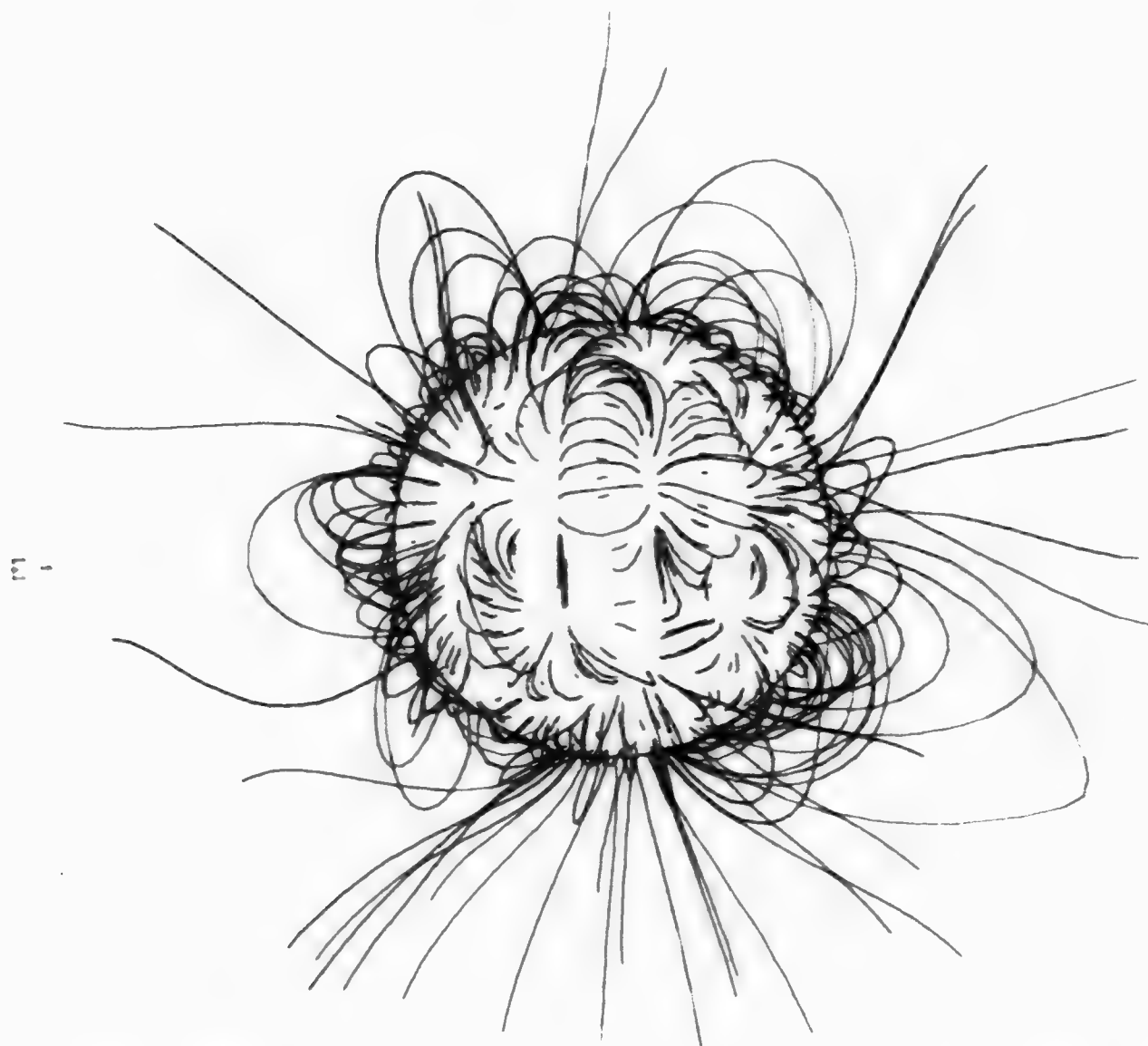
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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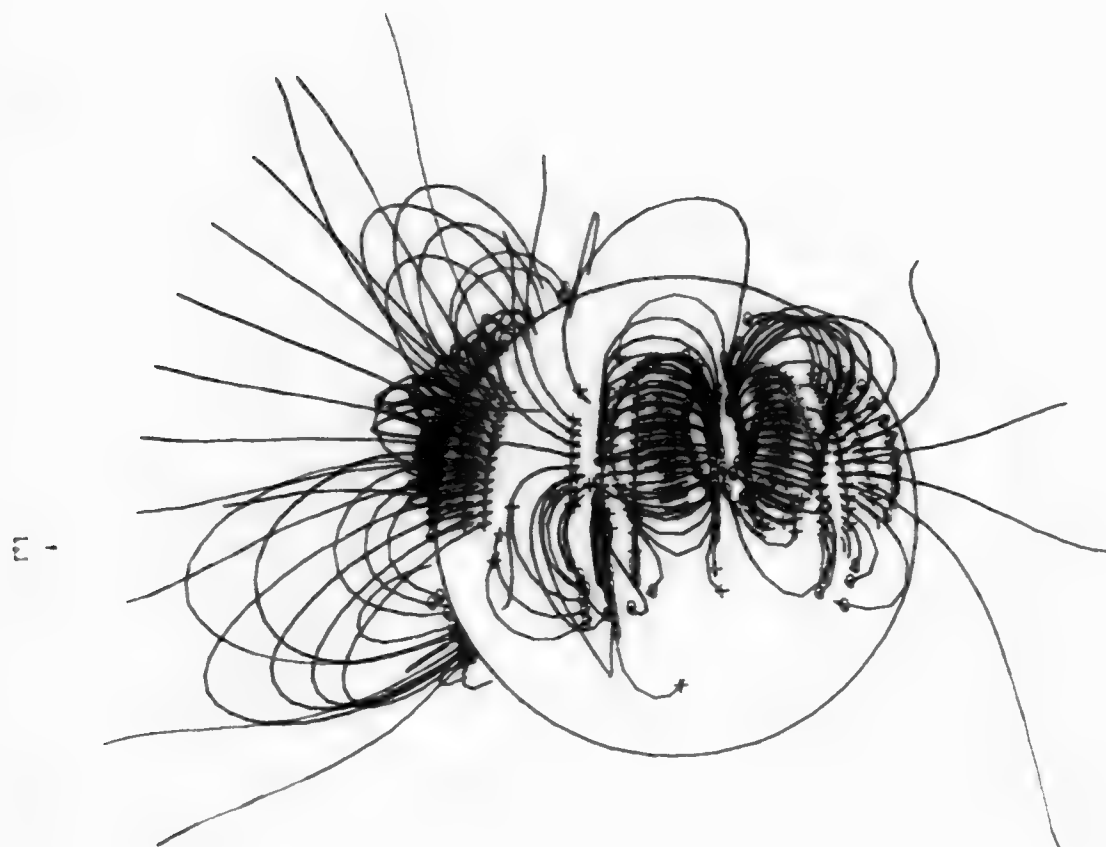
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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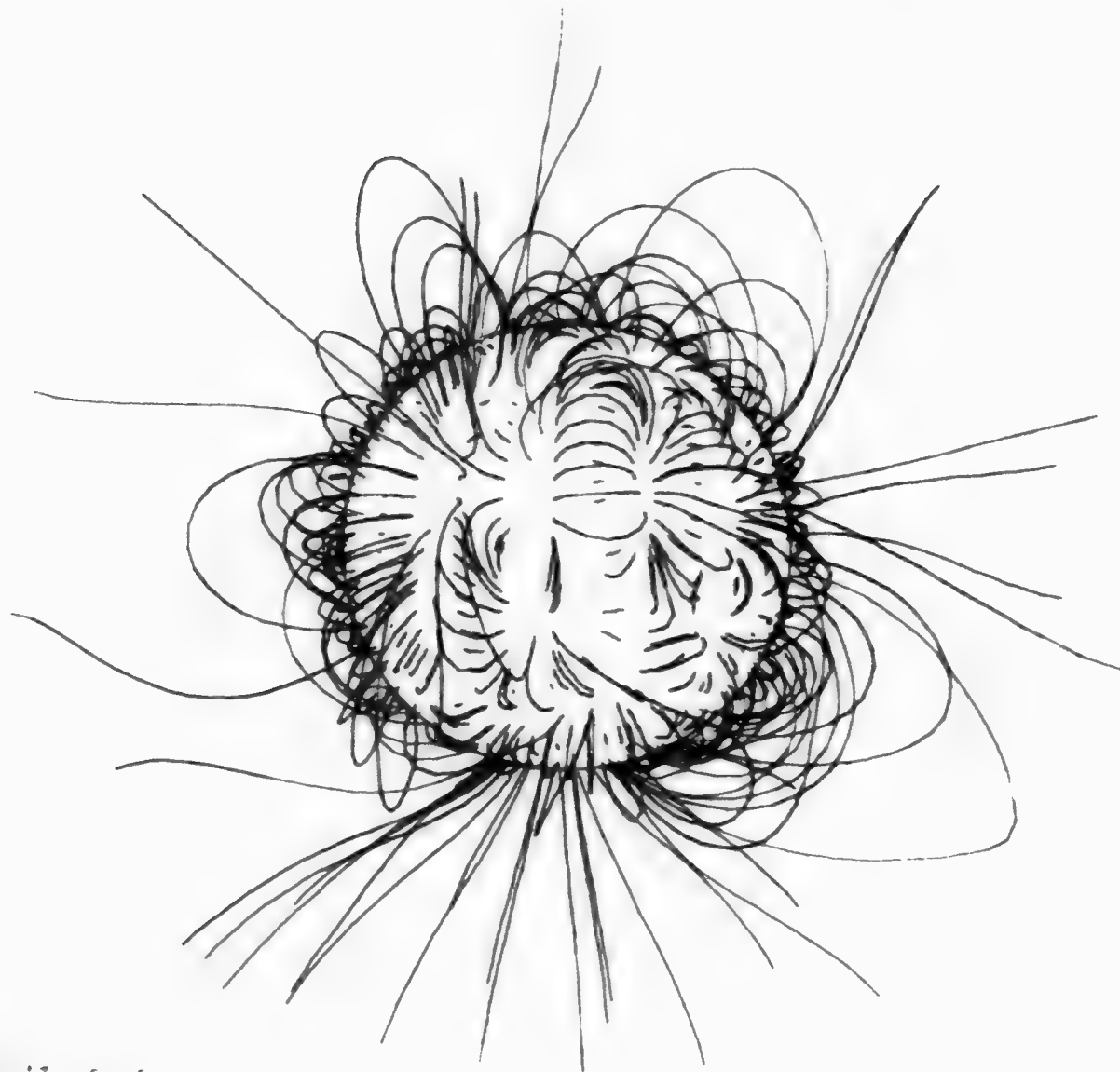
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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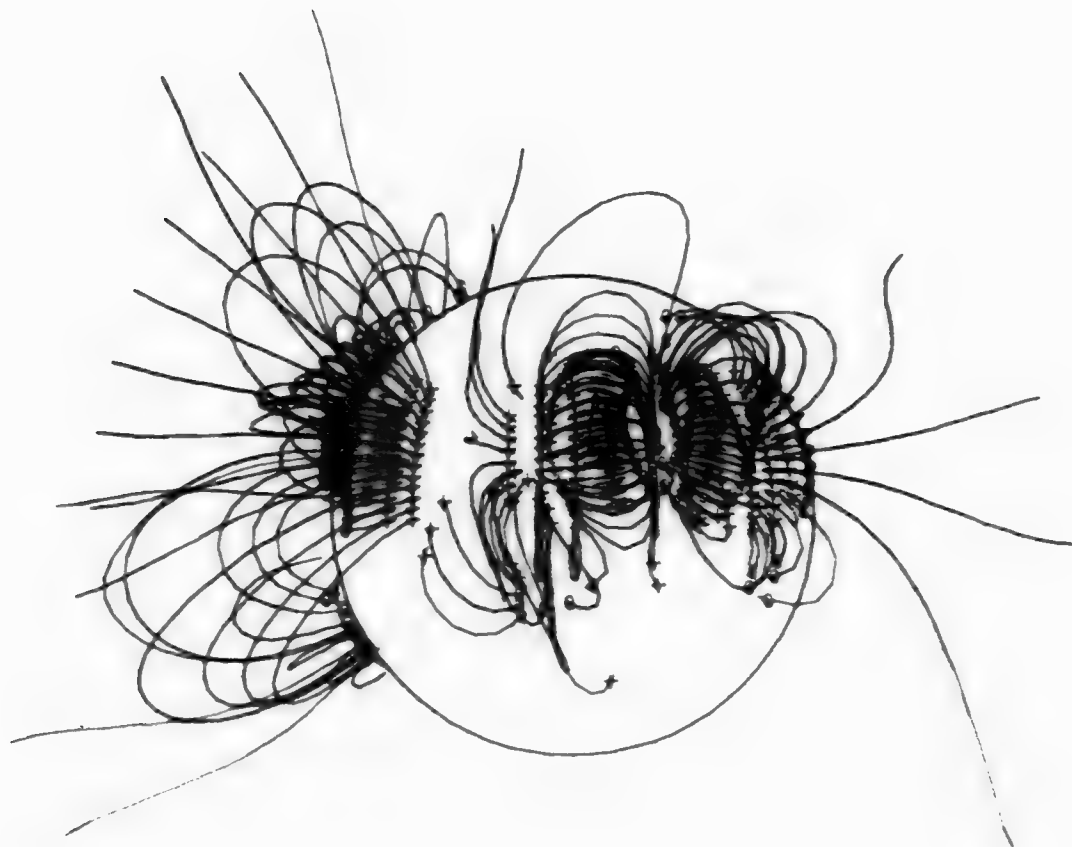
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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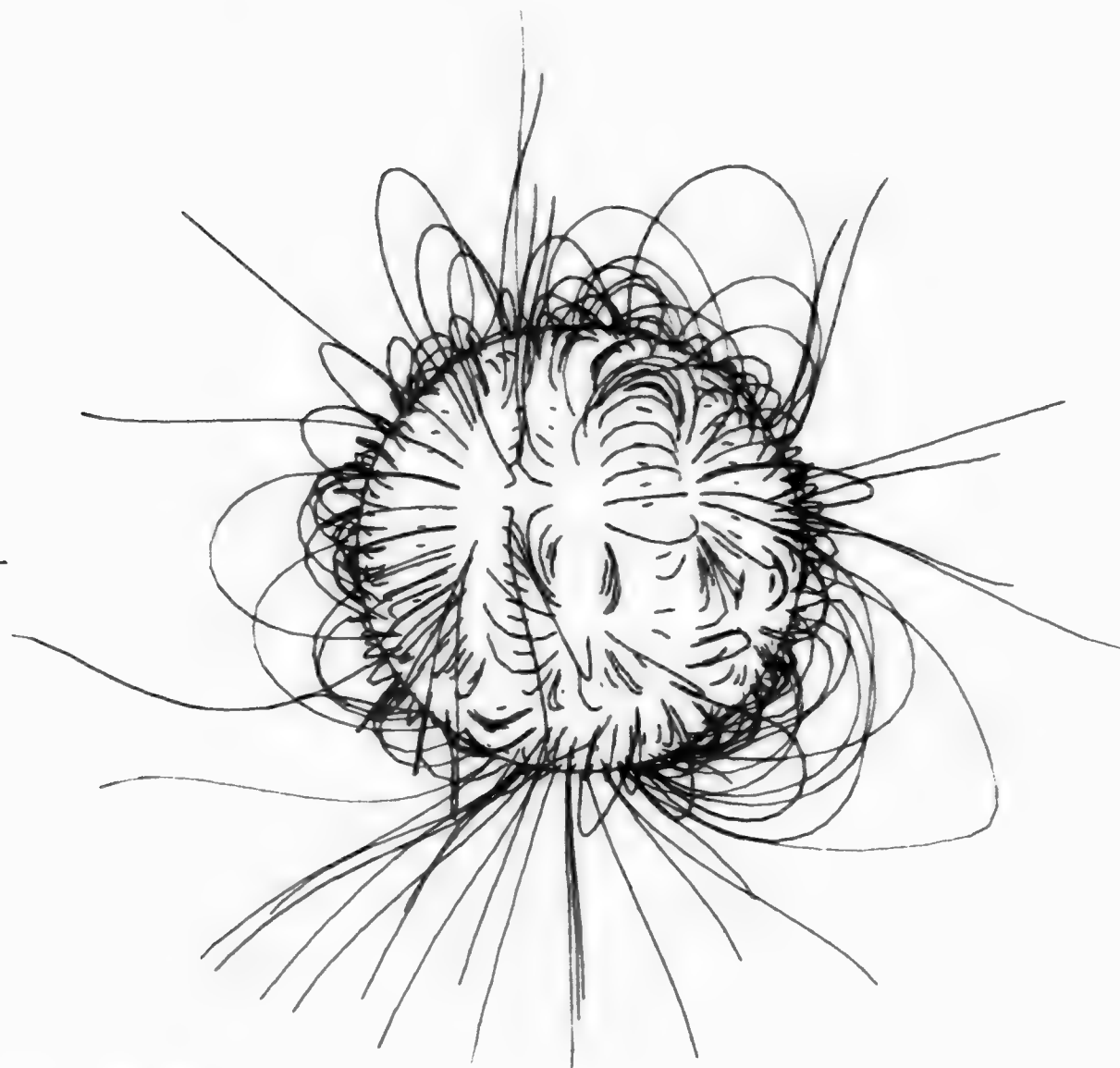
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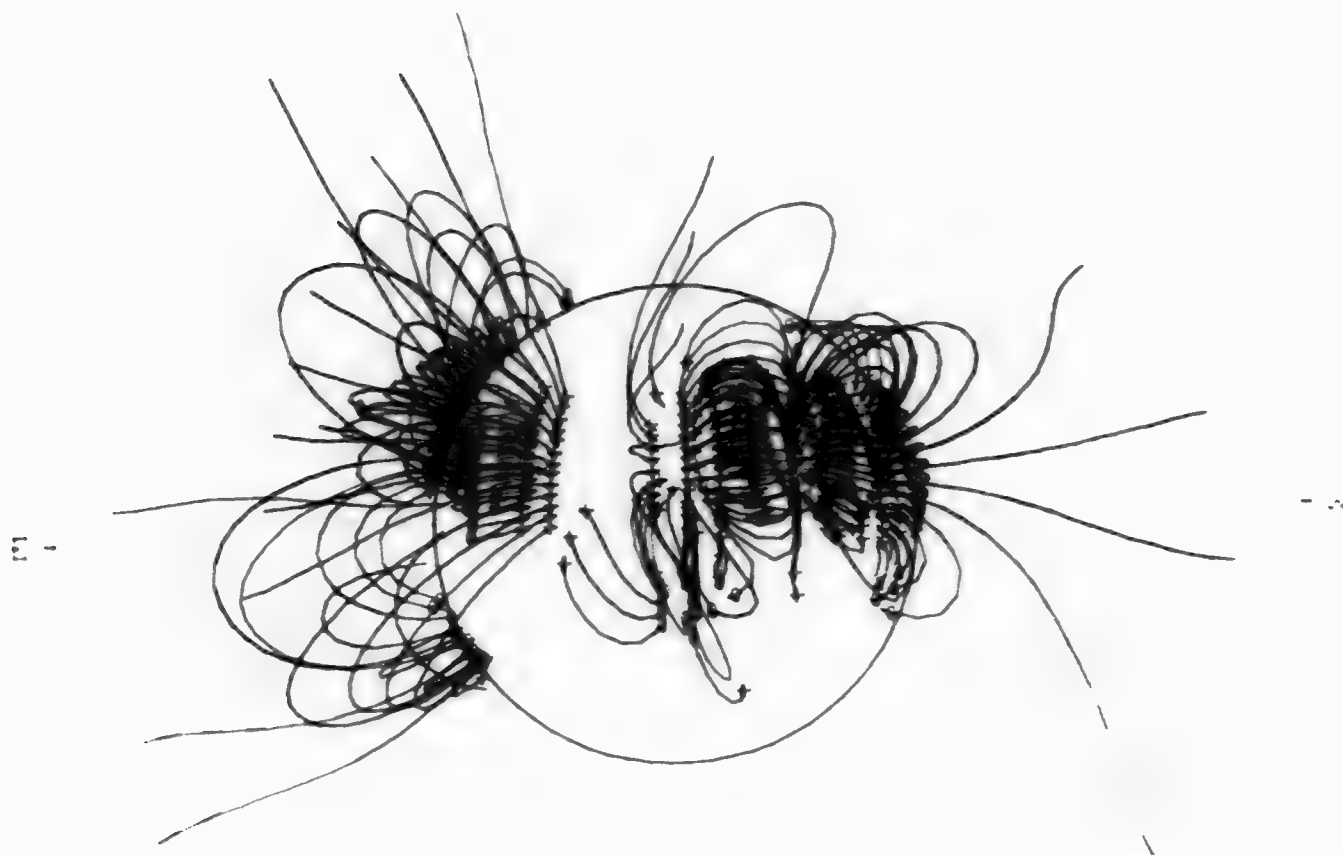
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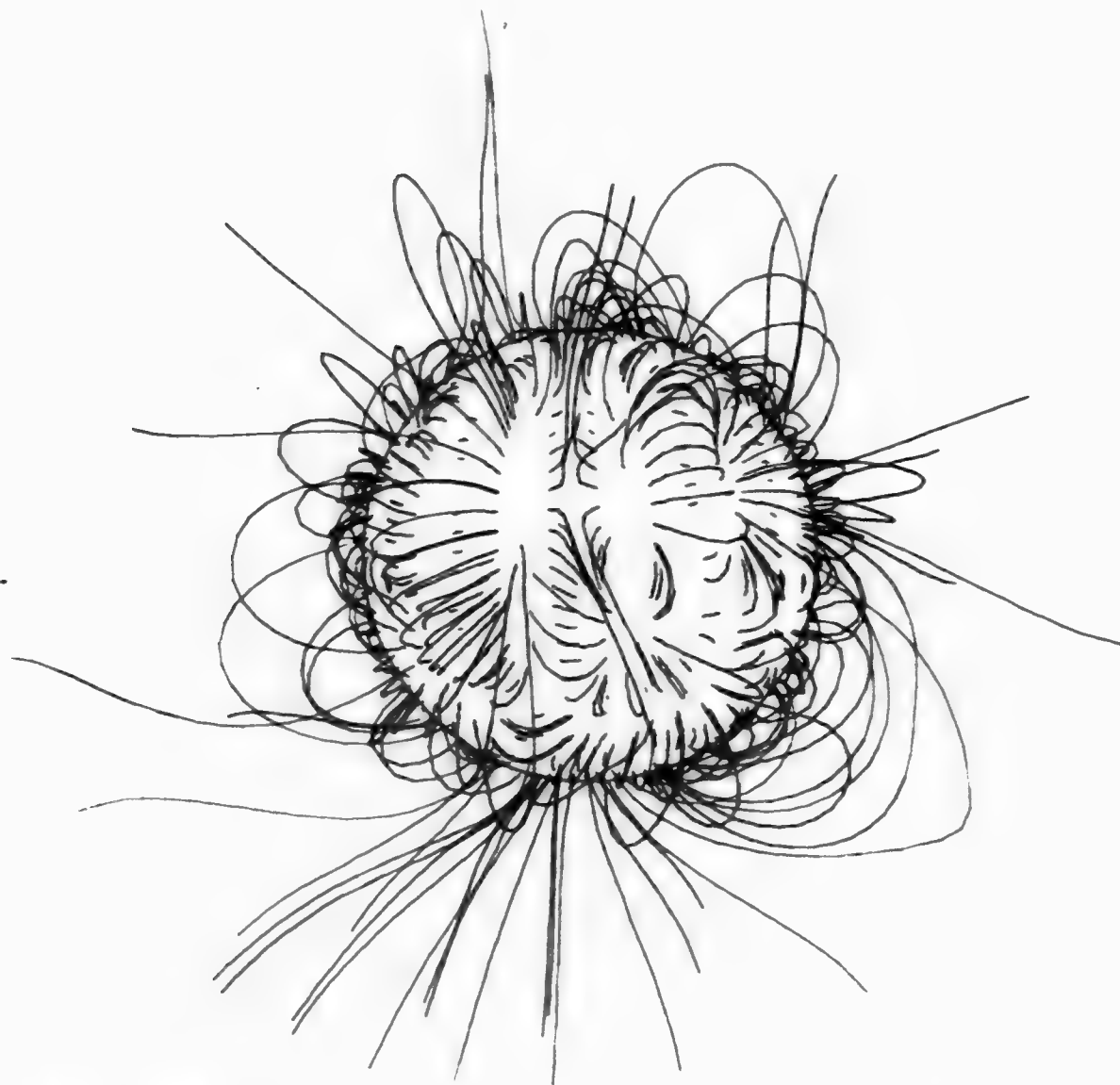
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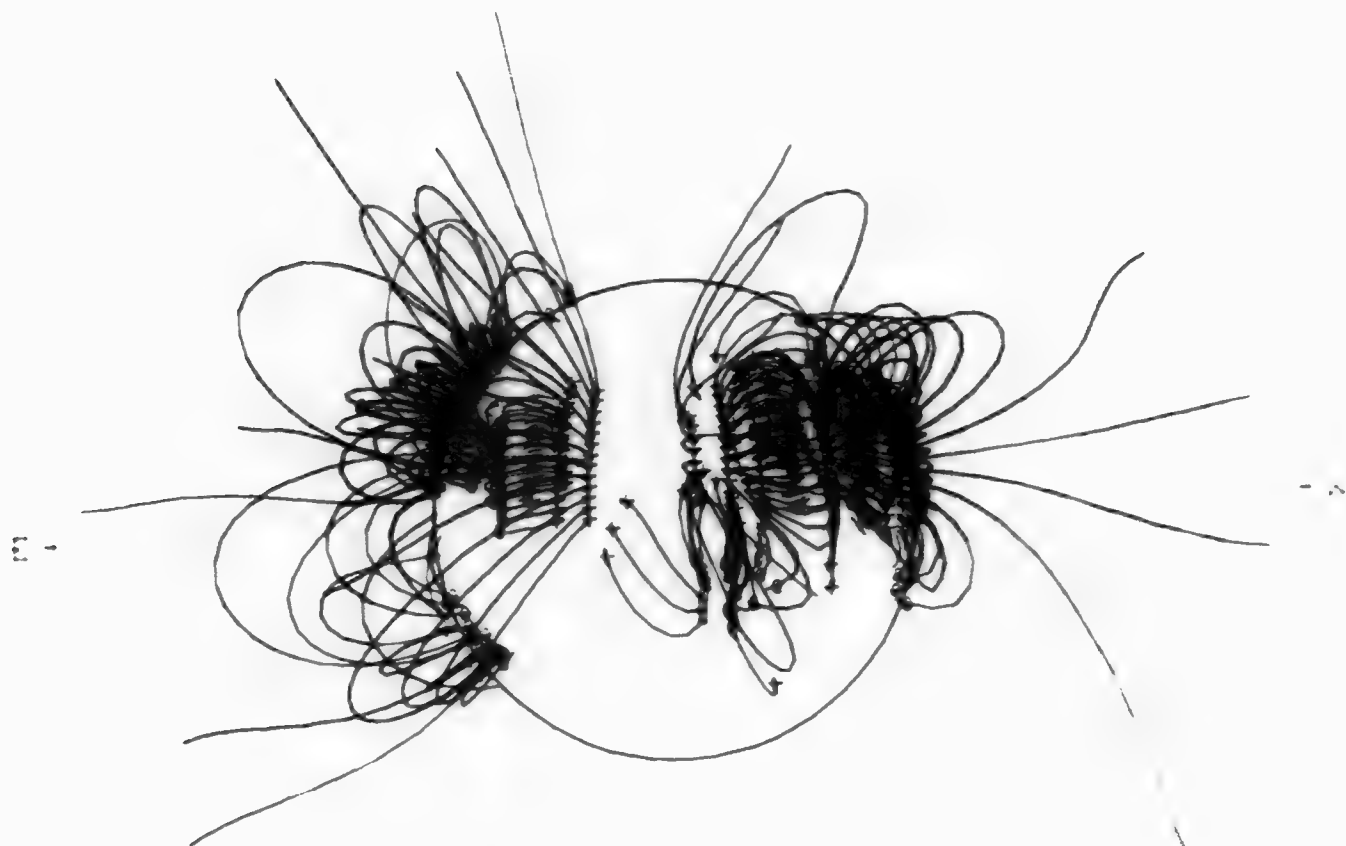
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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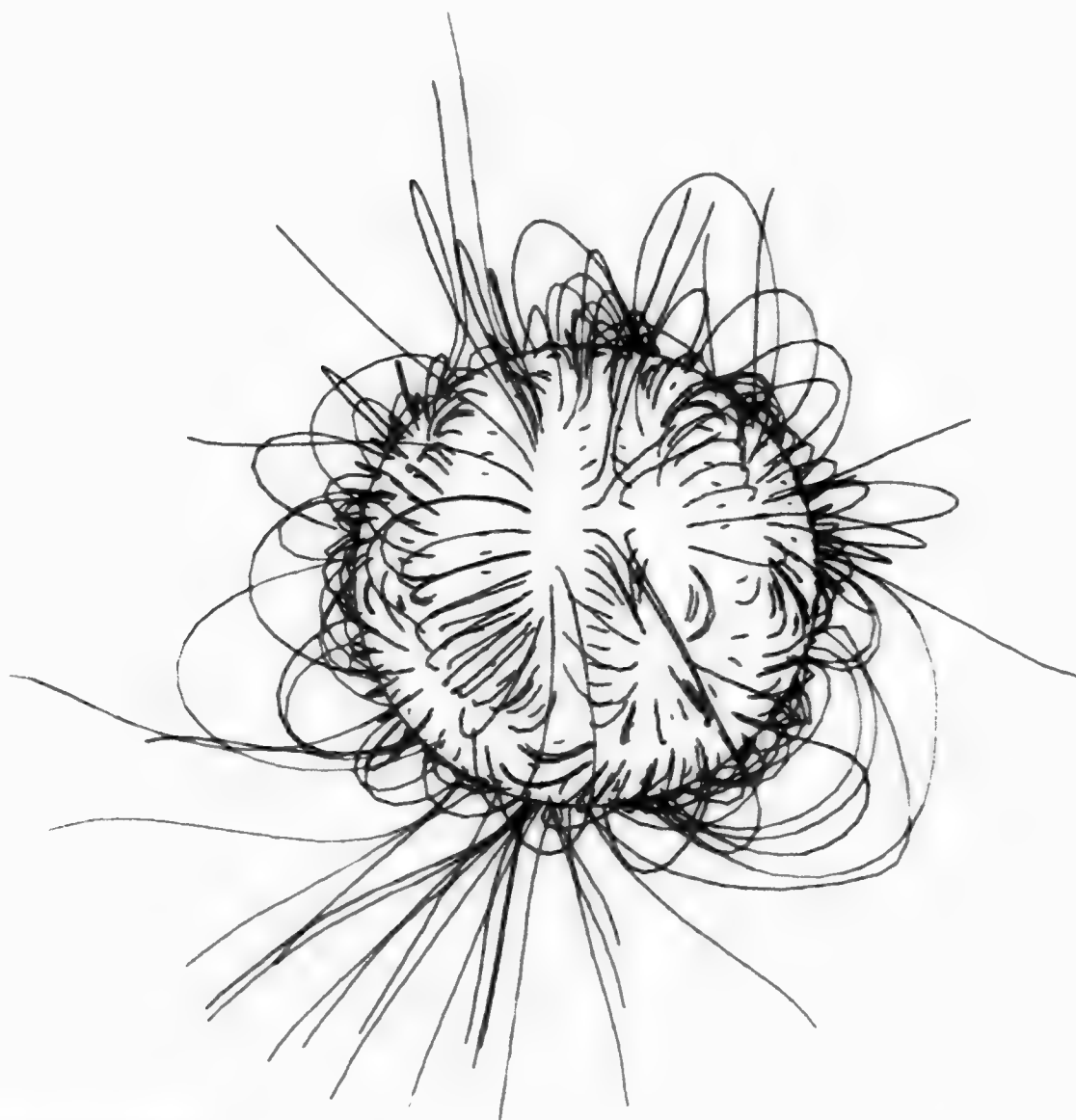
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HALE OBSERVATORY
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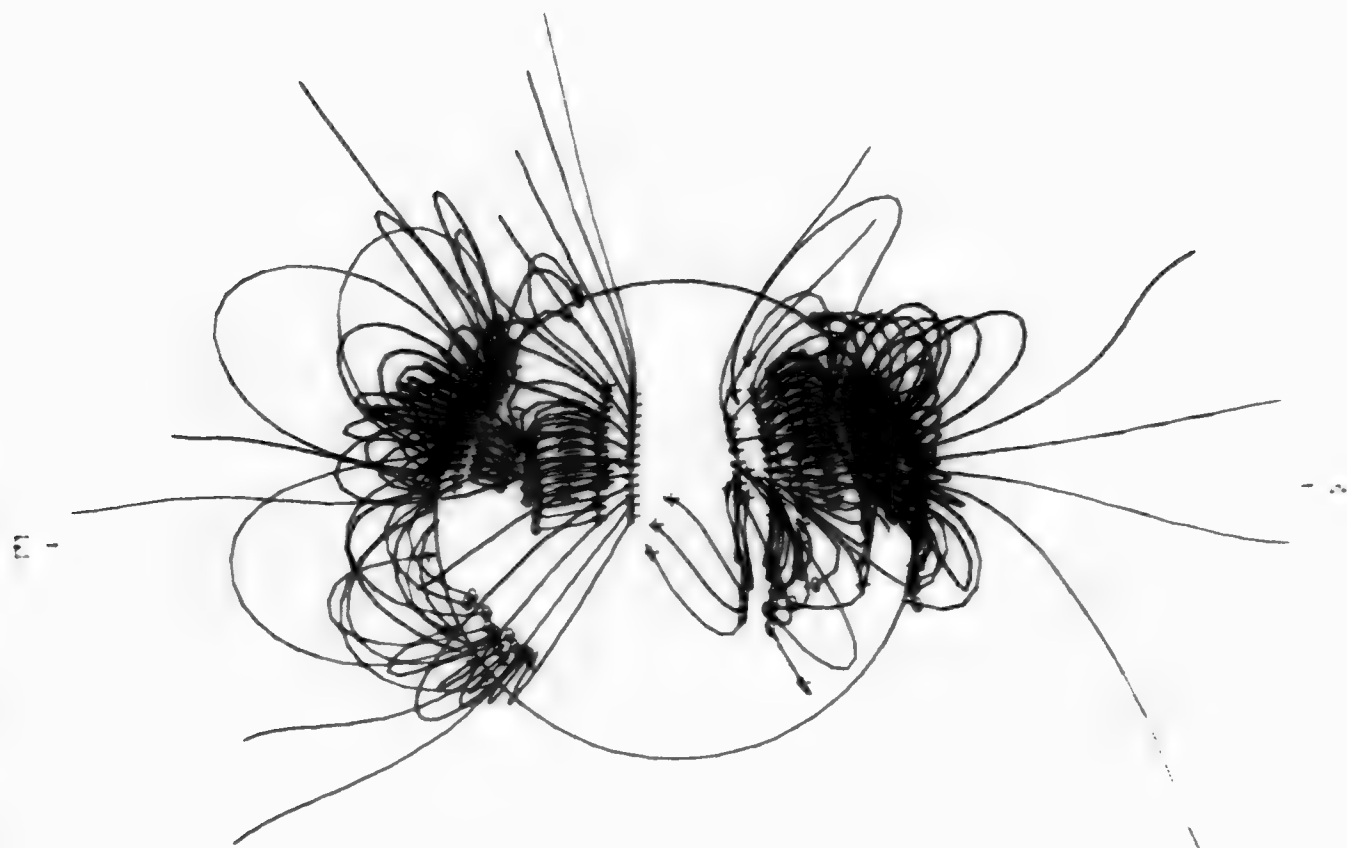
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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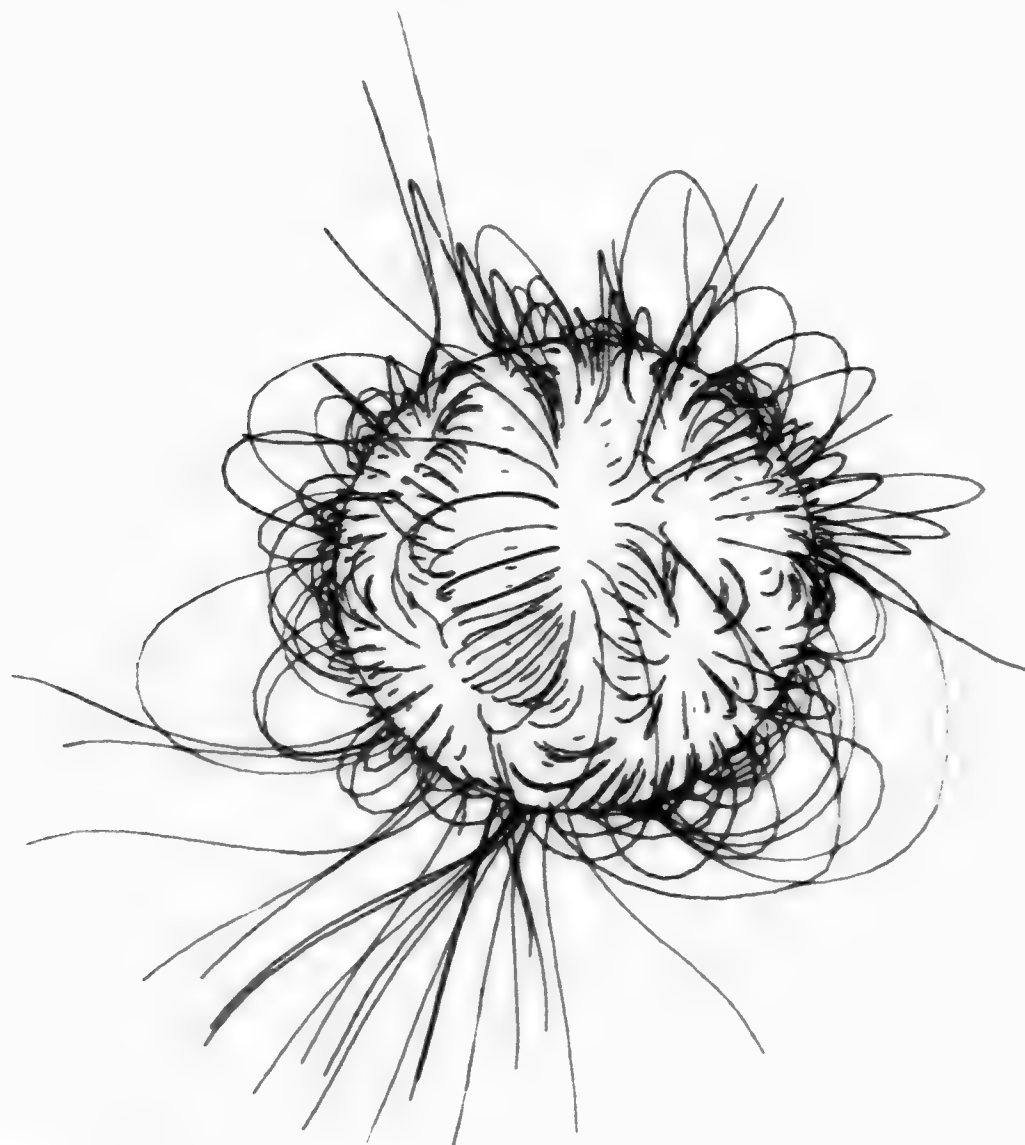
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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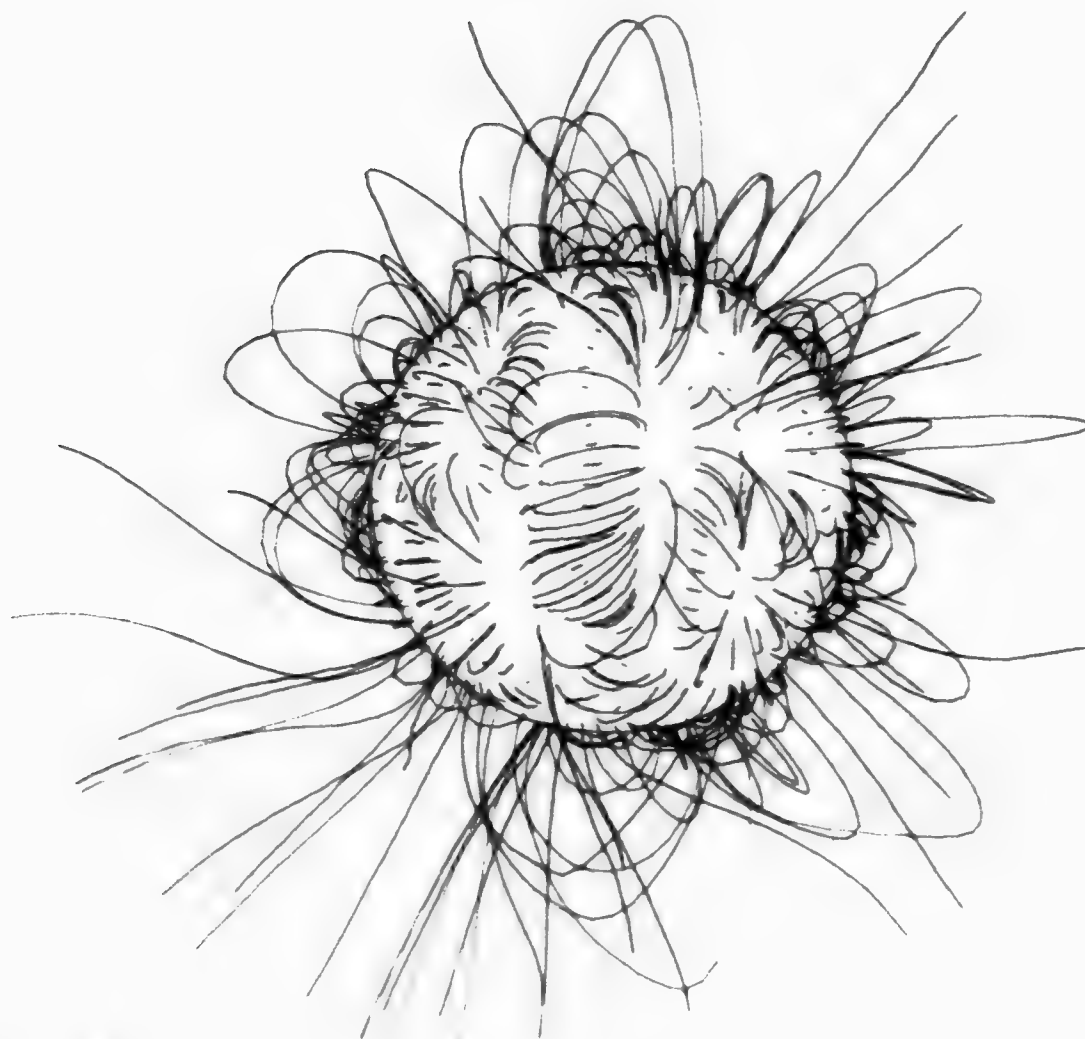
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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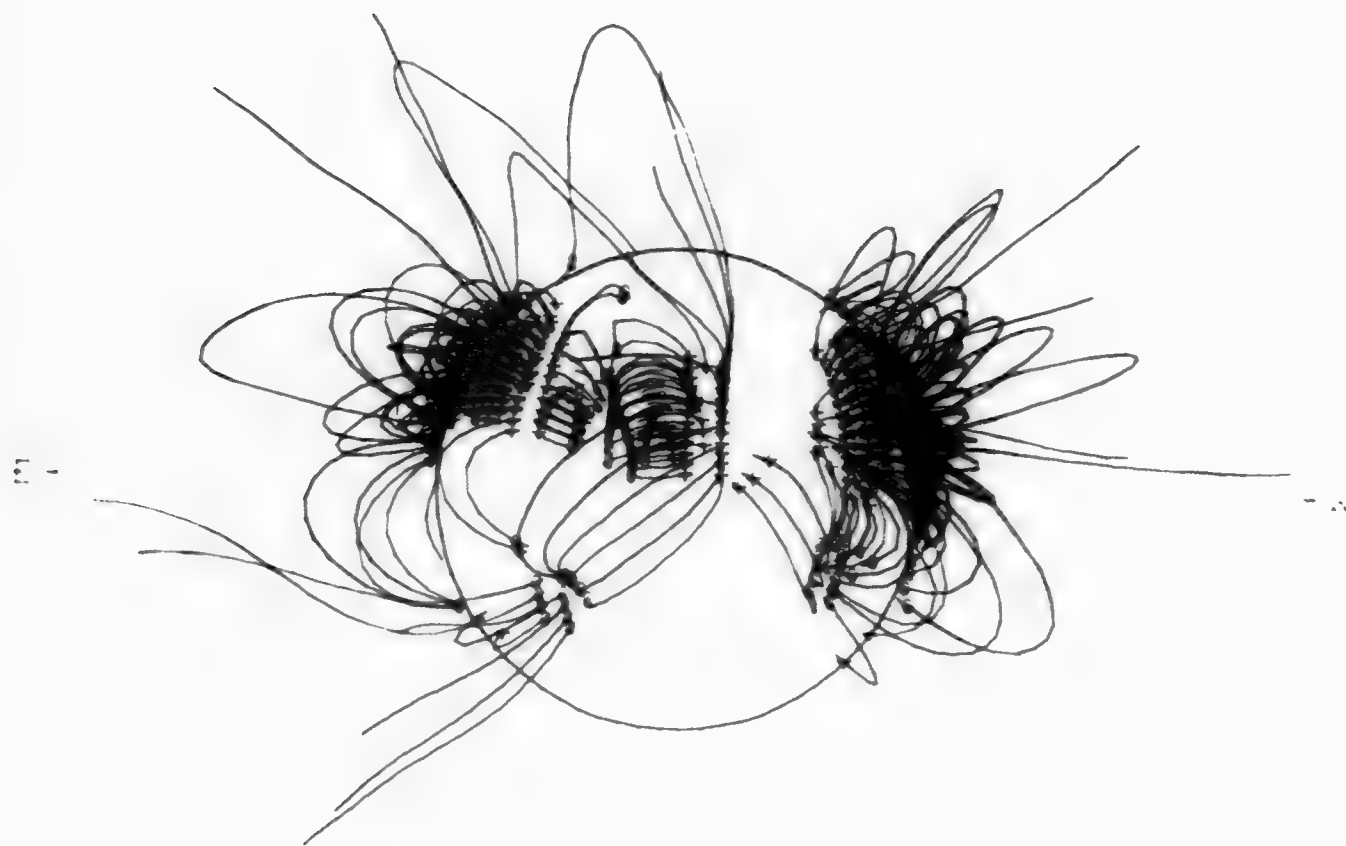
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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1919-1920

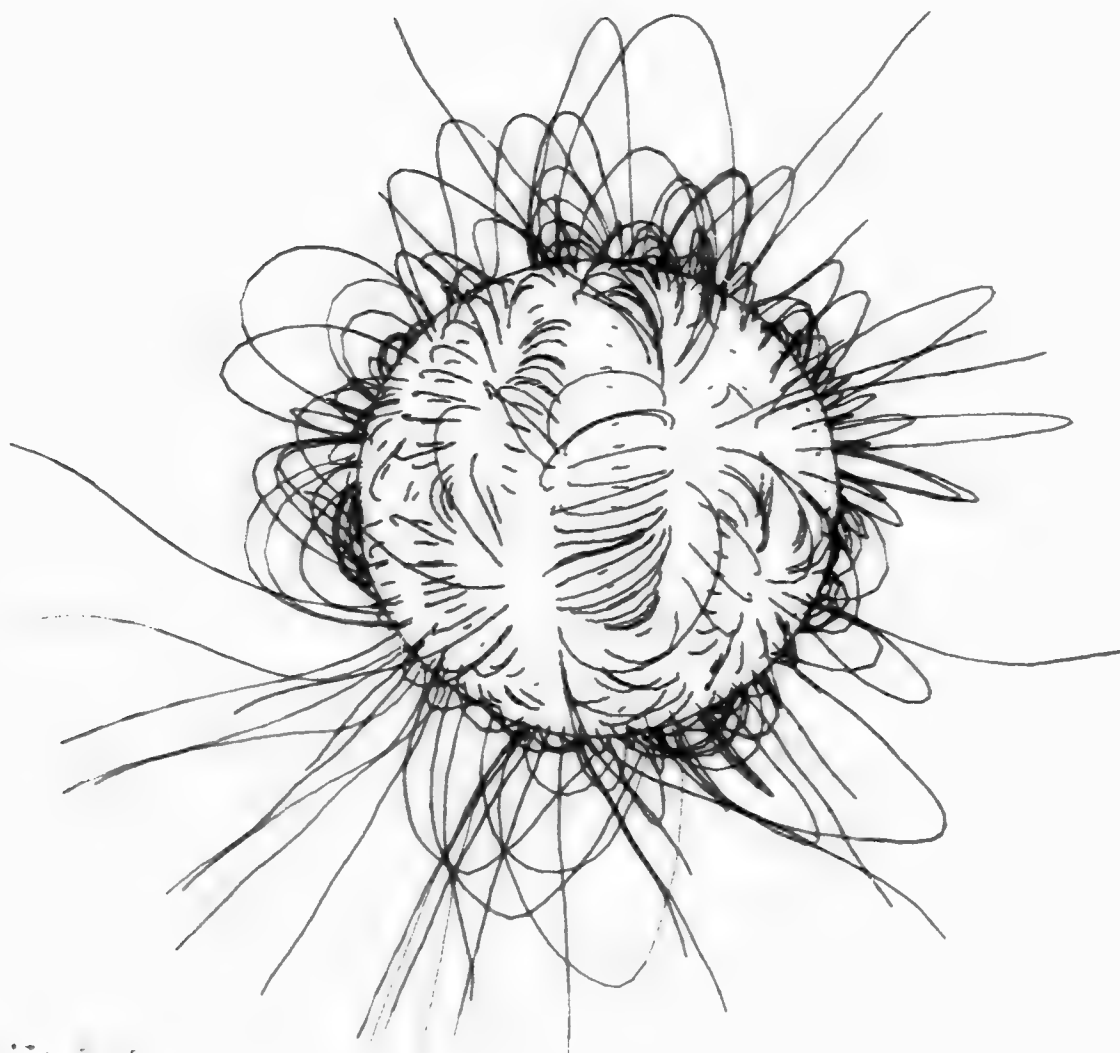
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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1919-1920

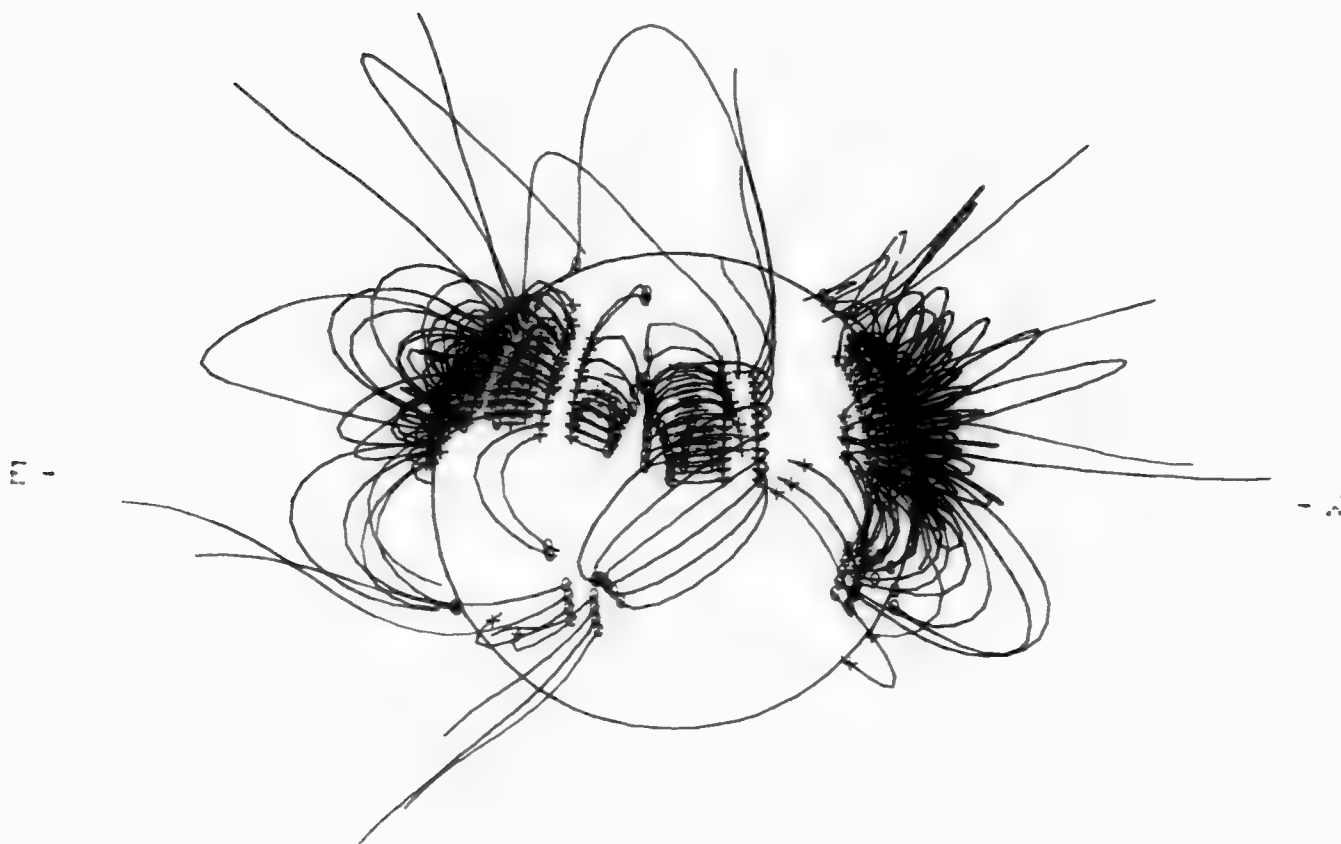
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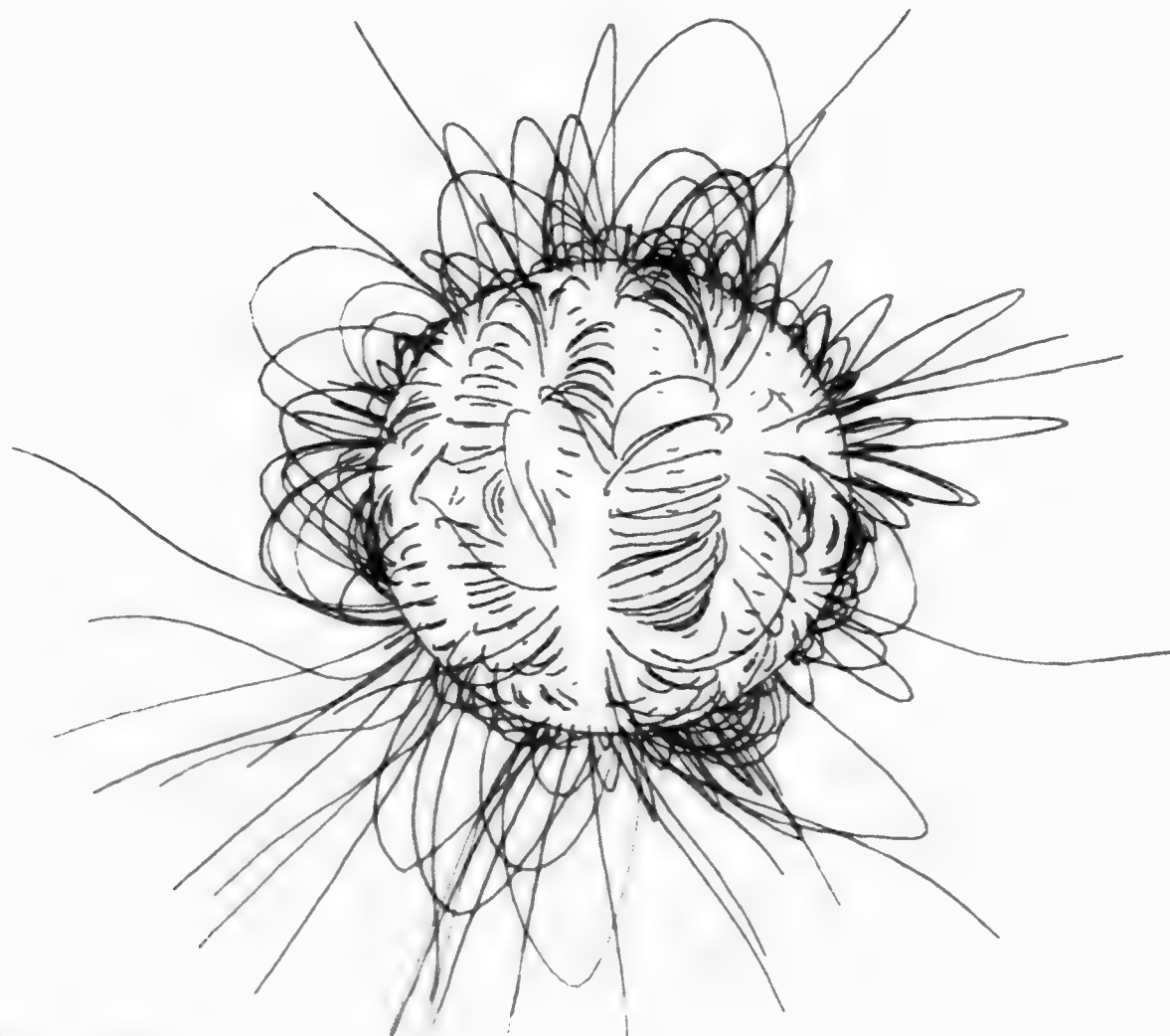
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

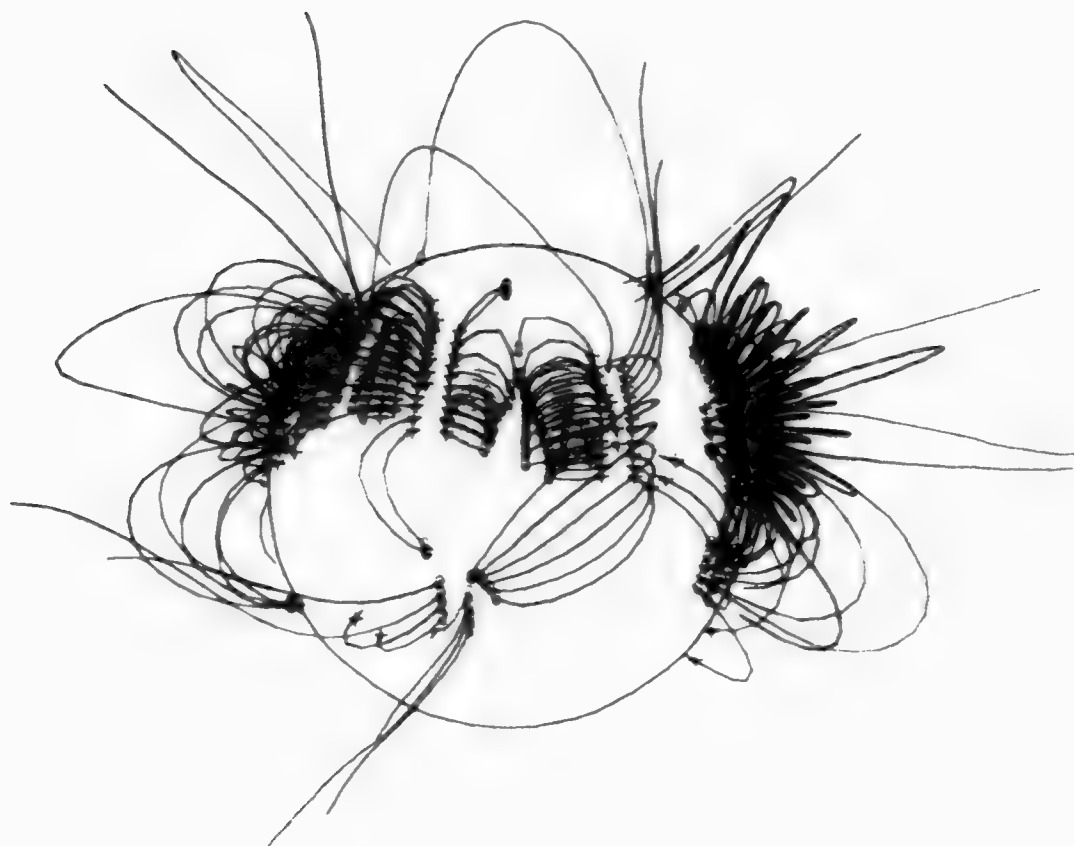


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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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HALE OBSERVATORY

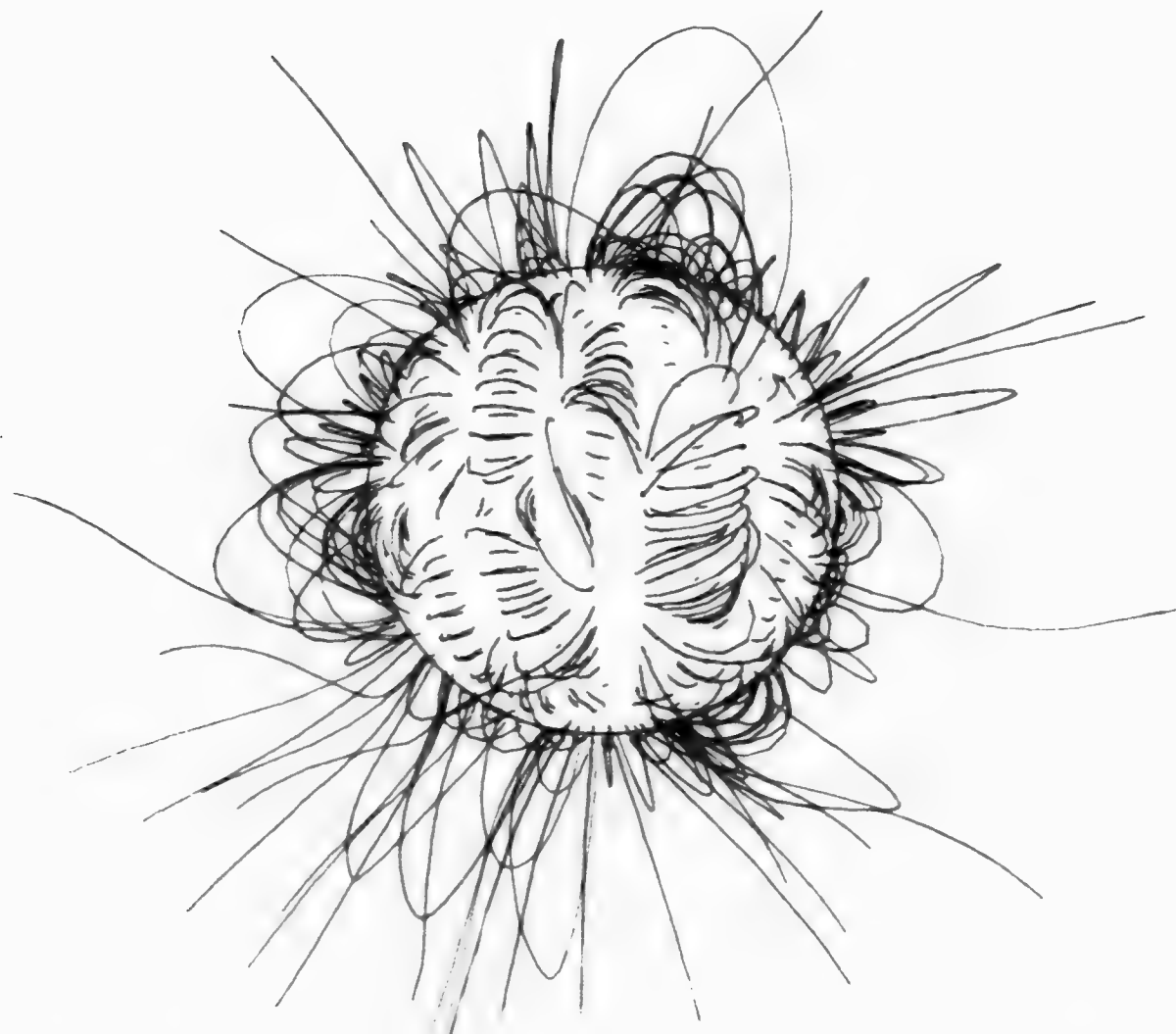
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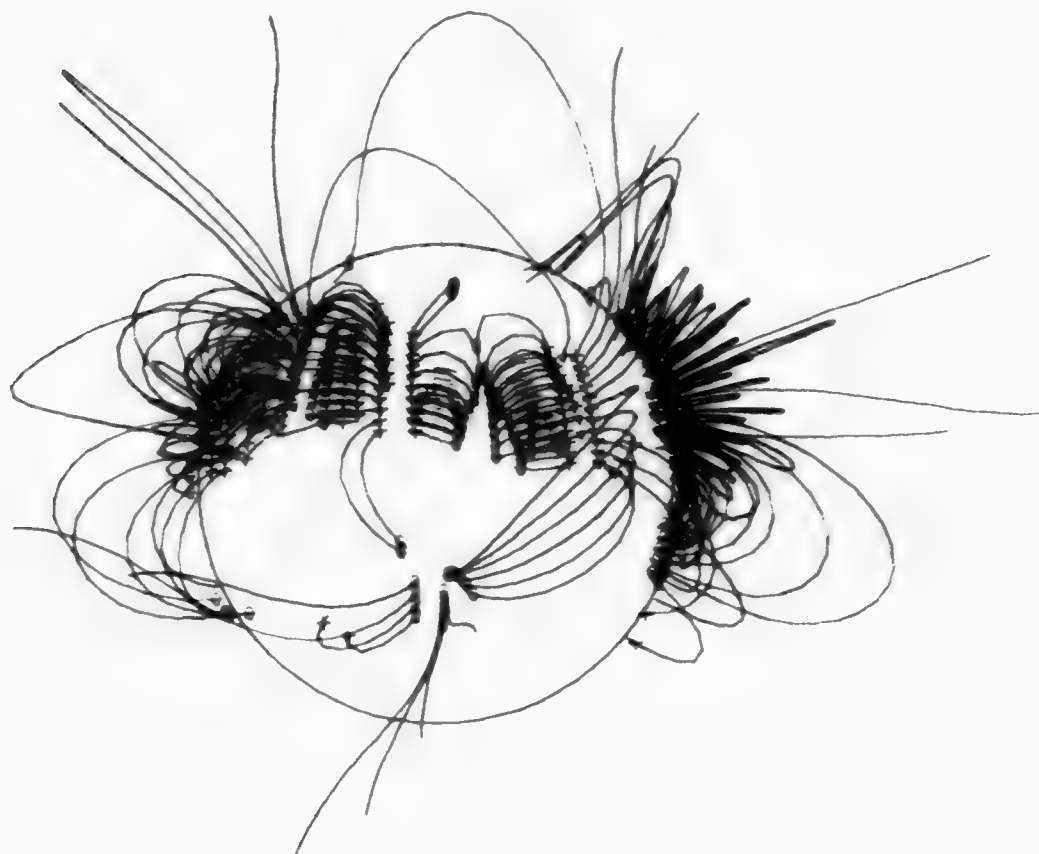
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

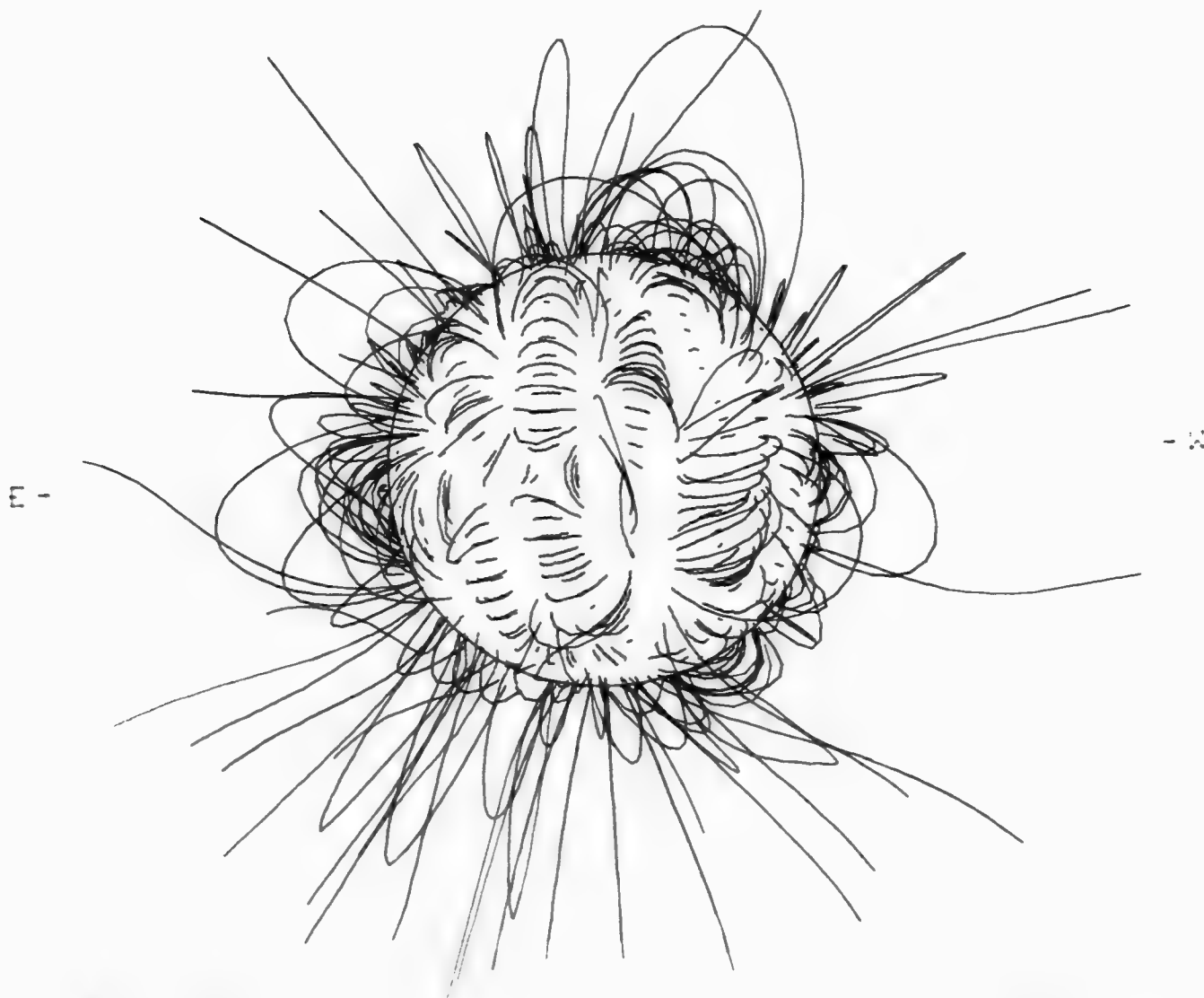


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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

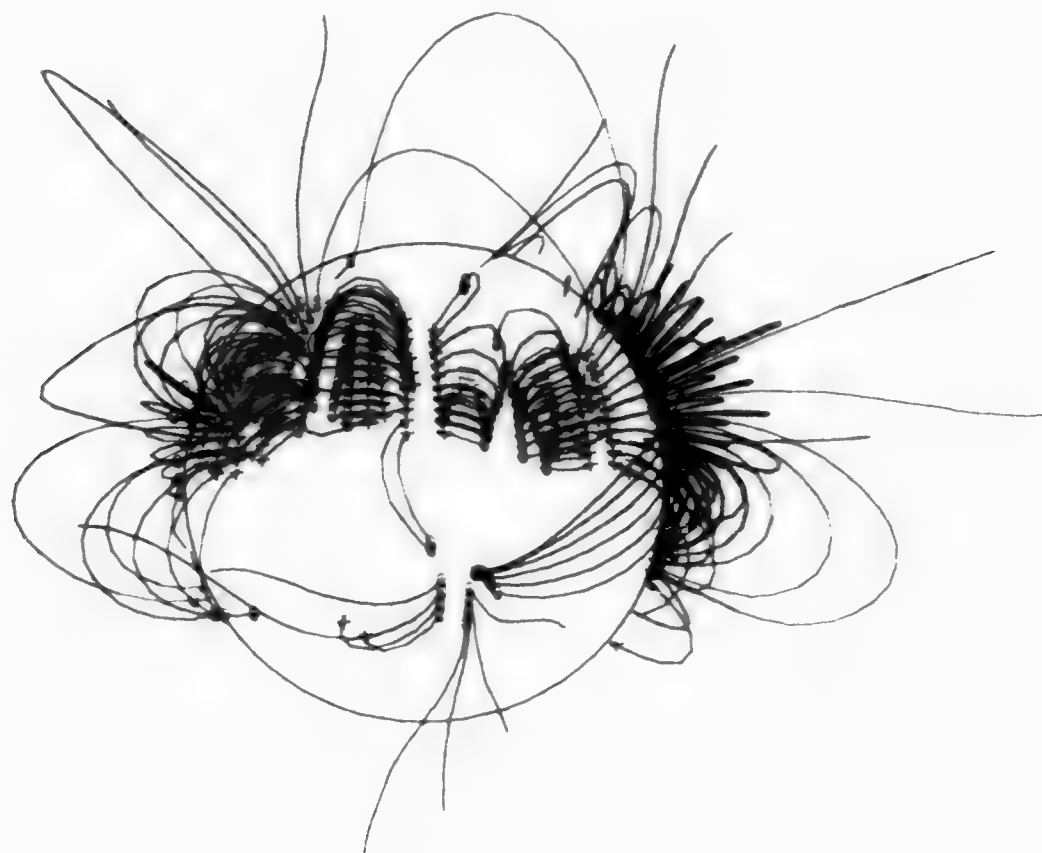
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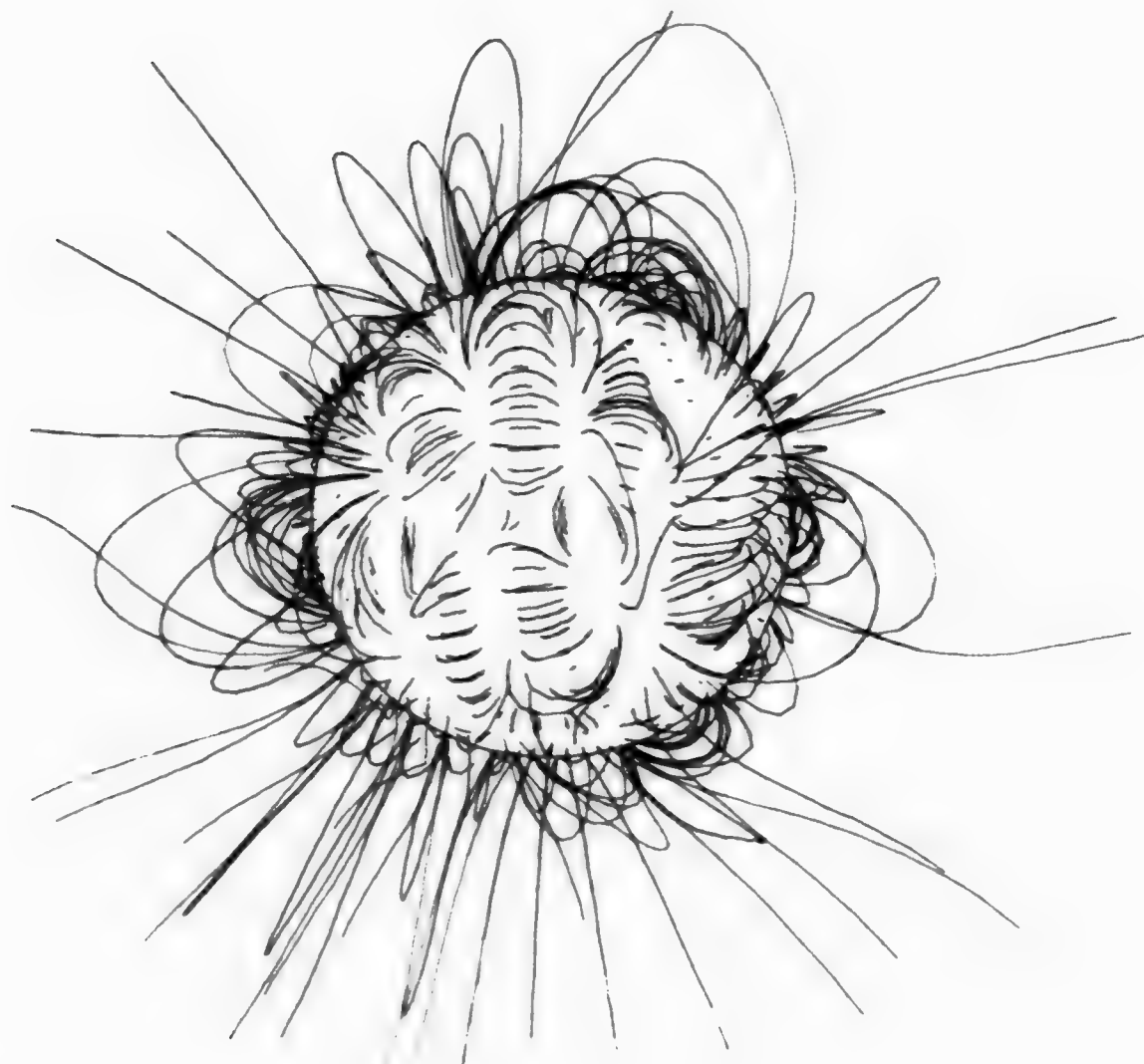
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



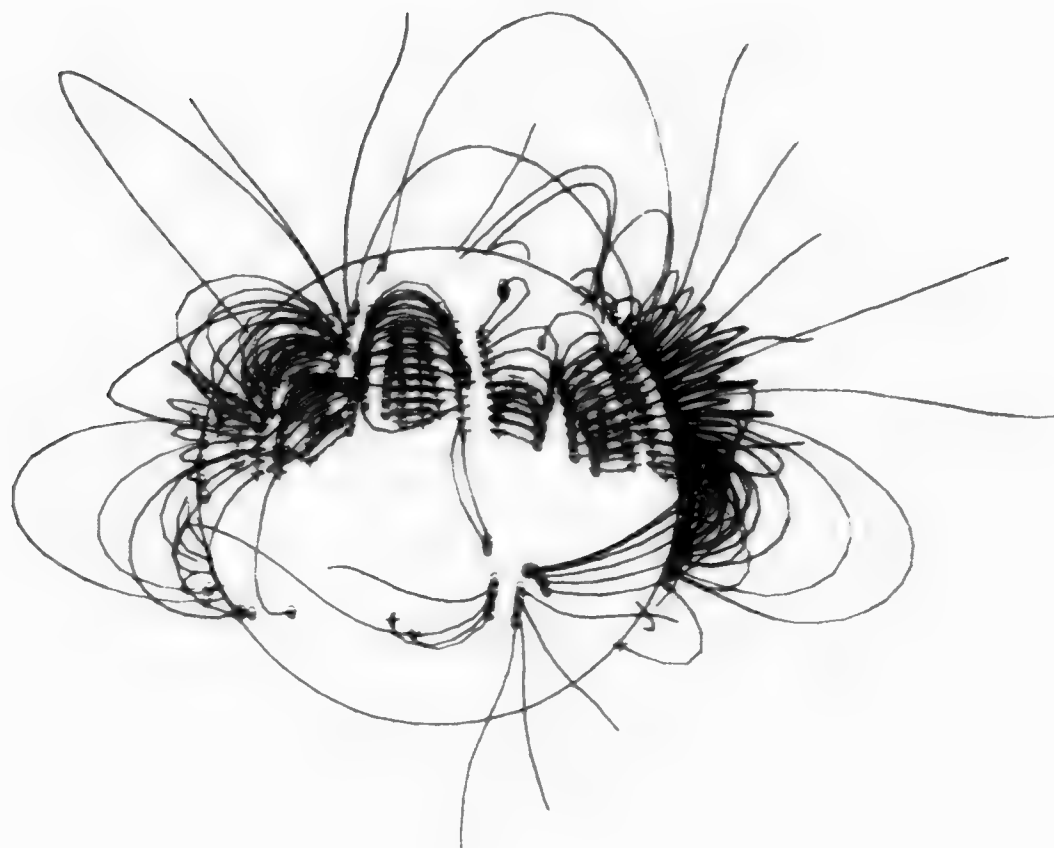
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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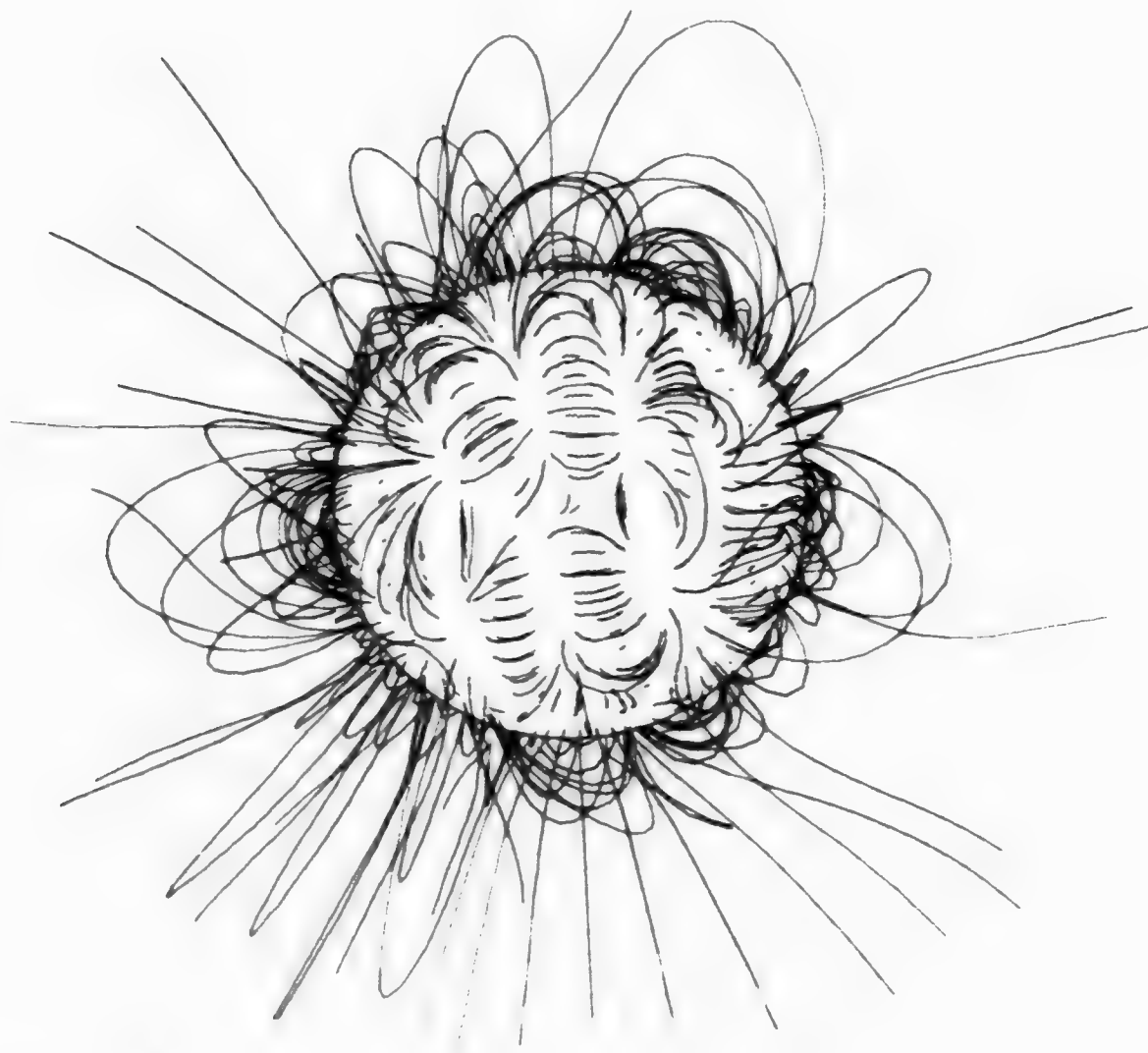
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



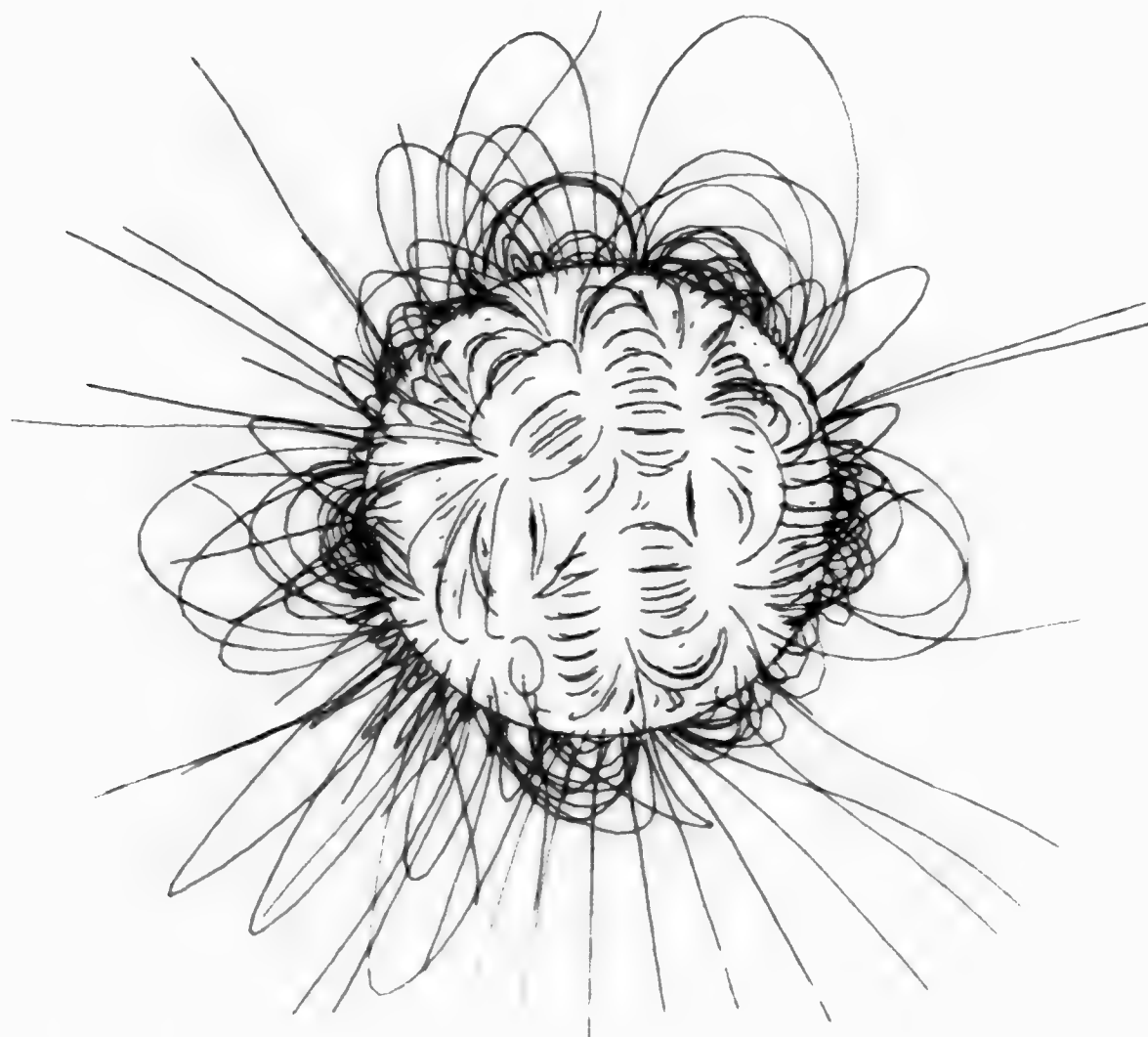
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HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

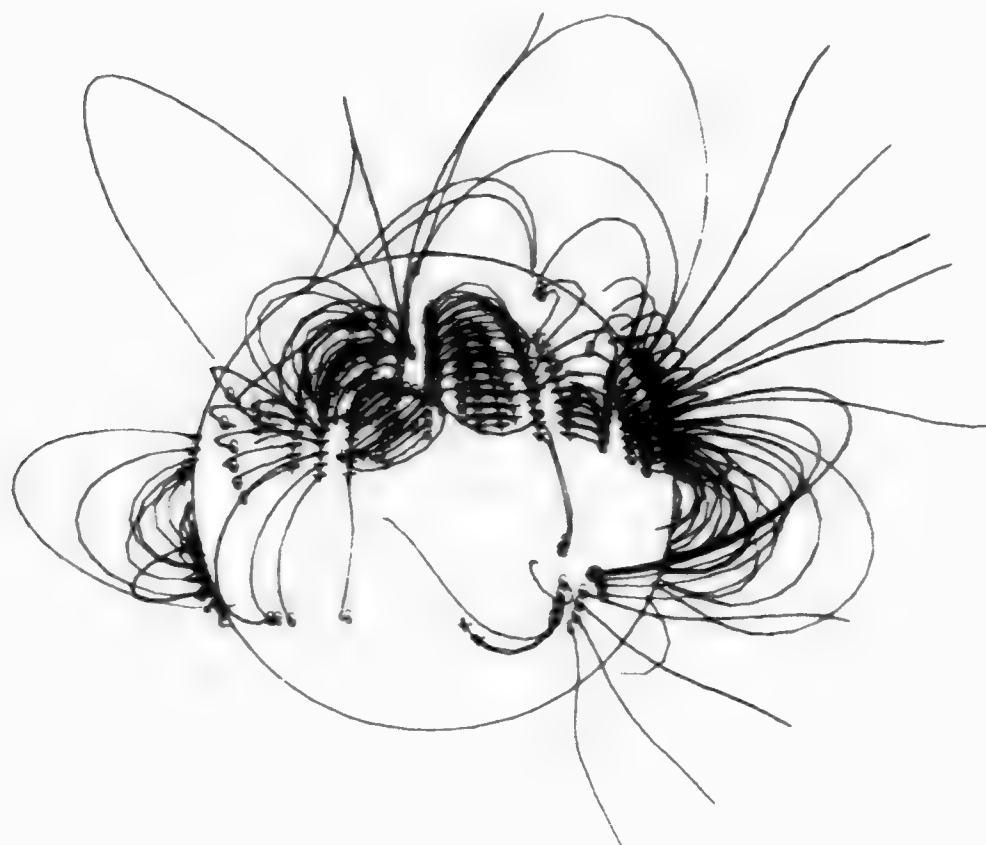


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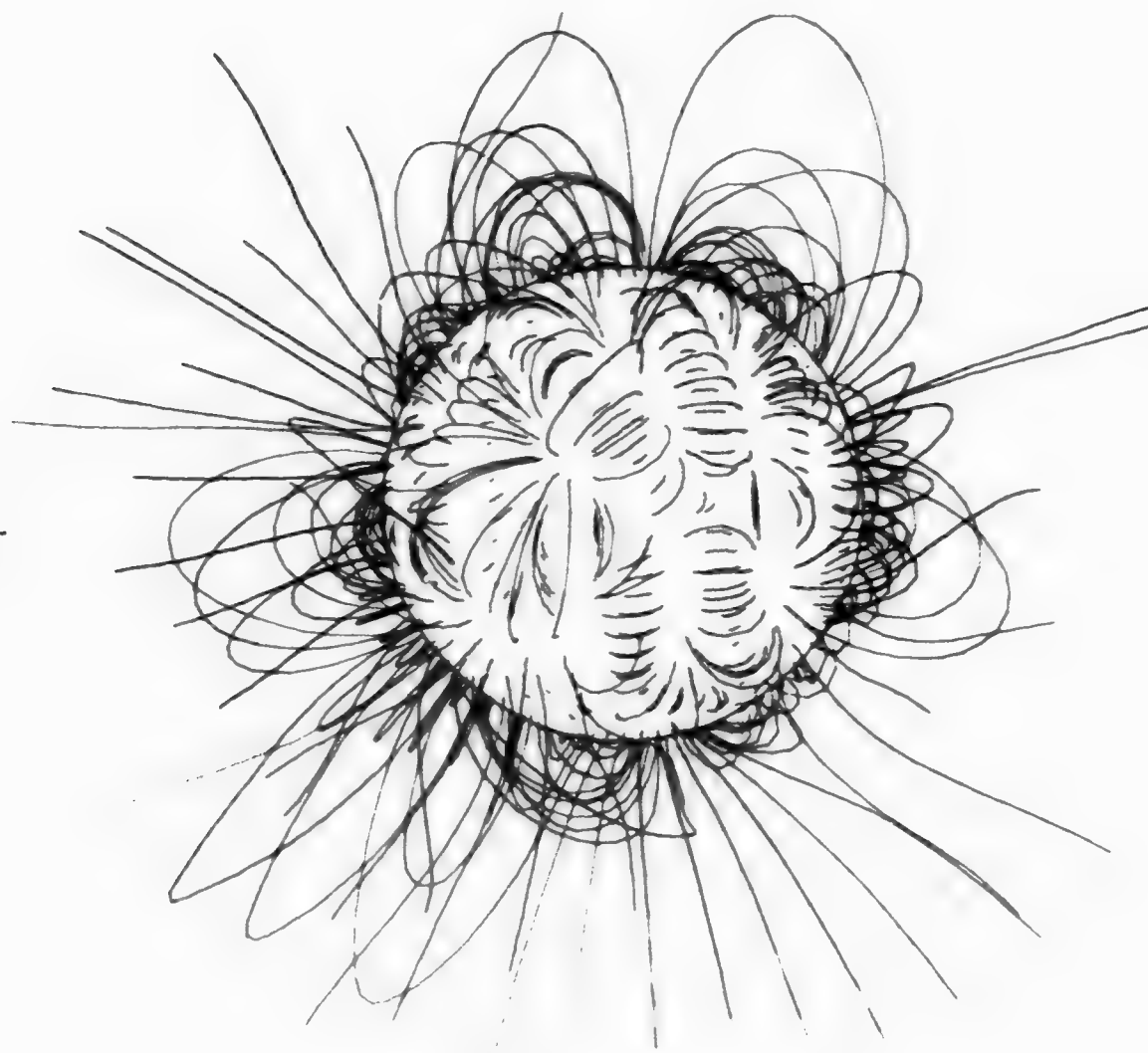
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MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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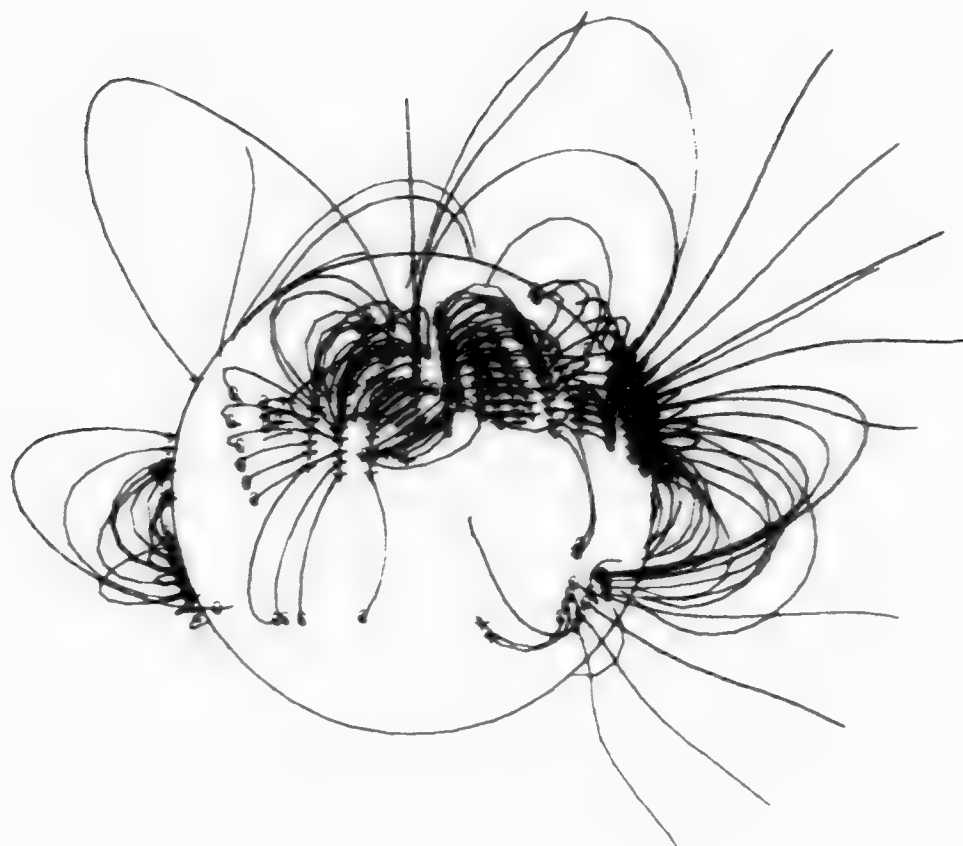
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY
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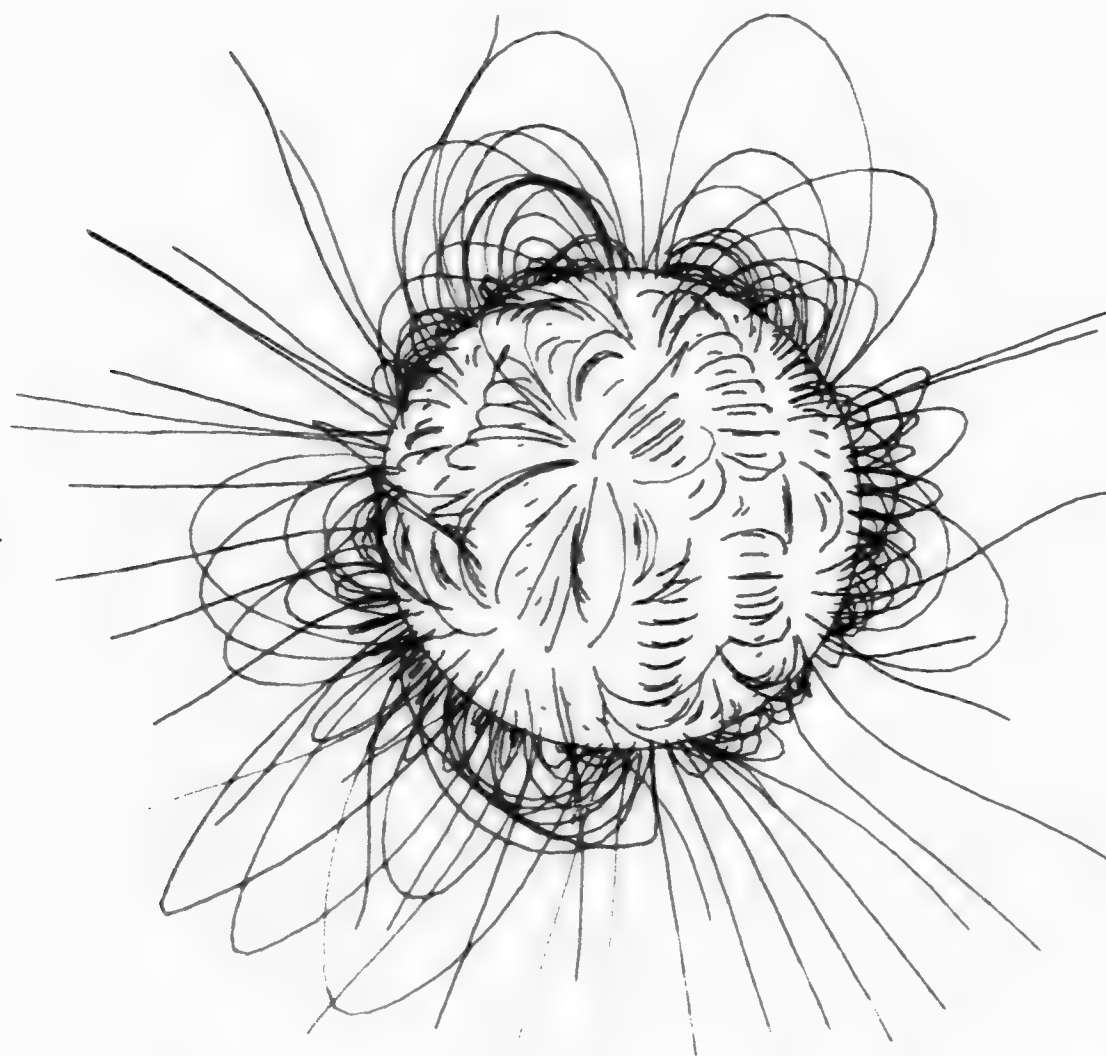
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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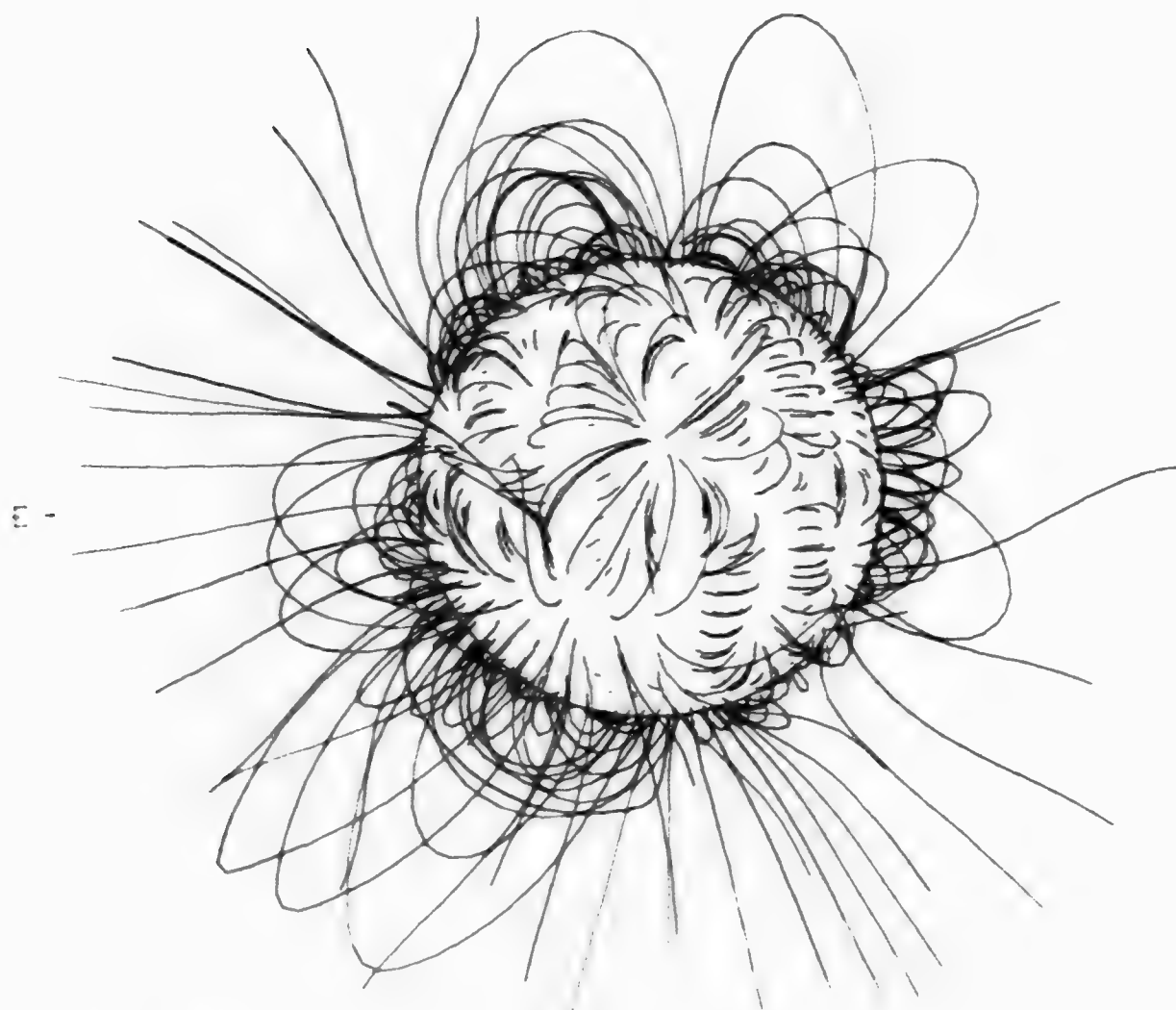
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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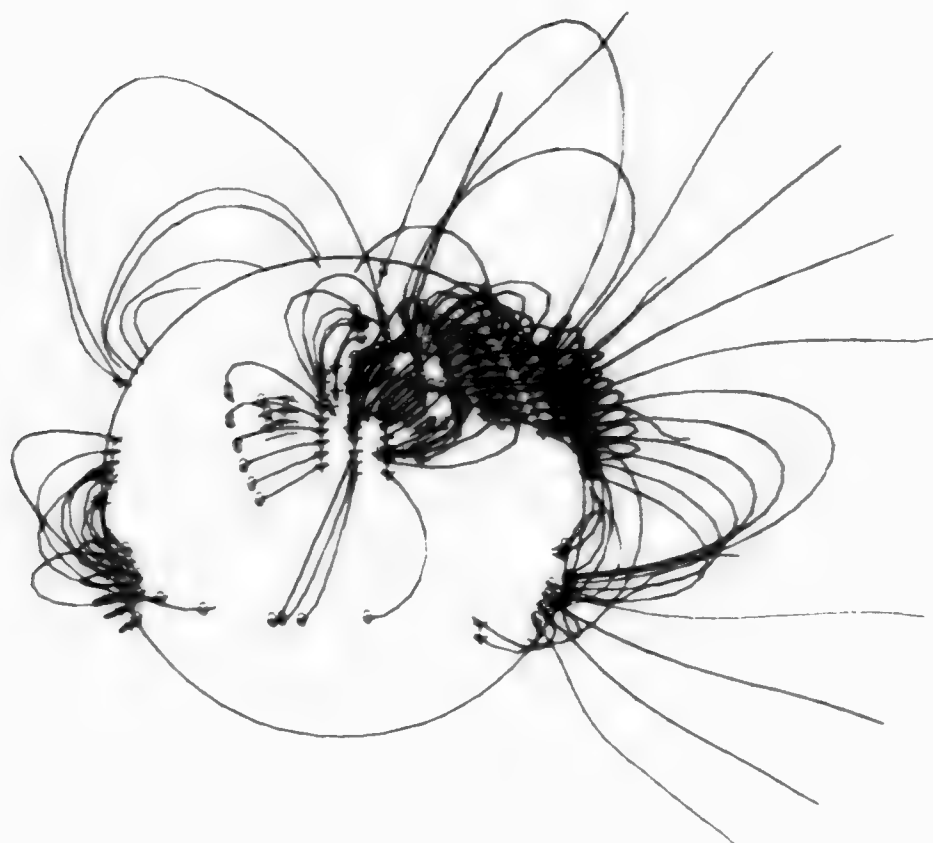
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
1917-1918
1919-1920

HALE OBSERVATORY
1921-1922
1923-1924

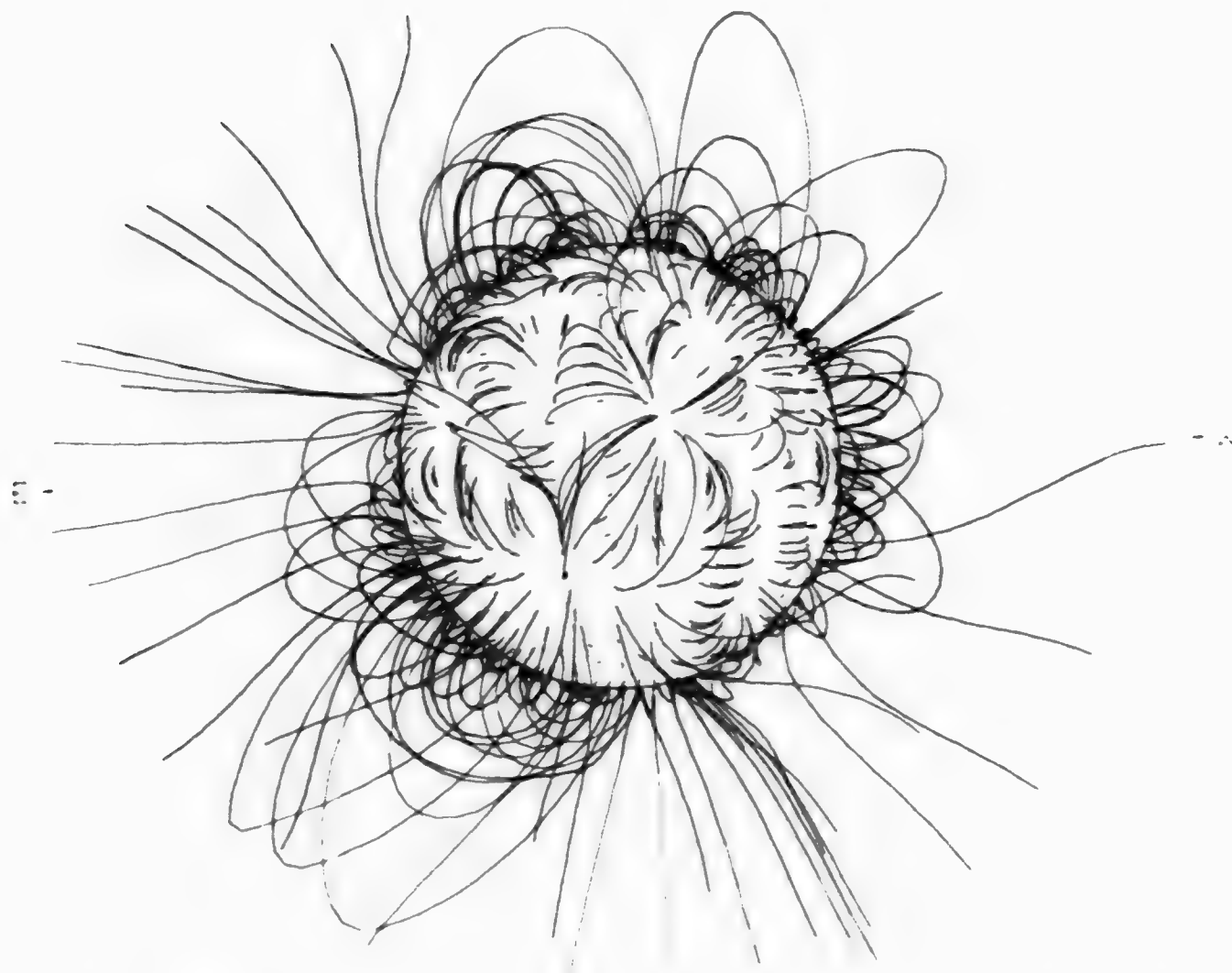
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
1917-1918
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1921-1922
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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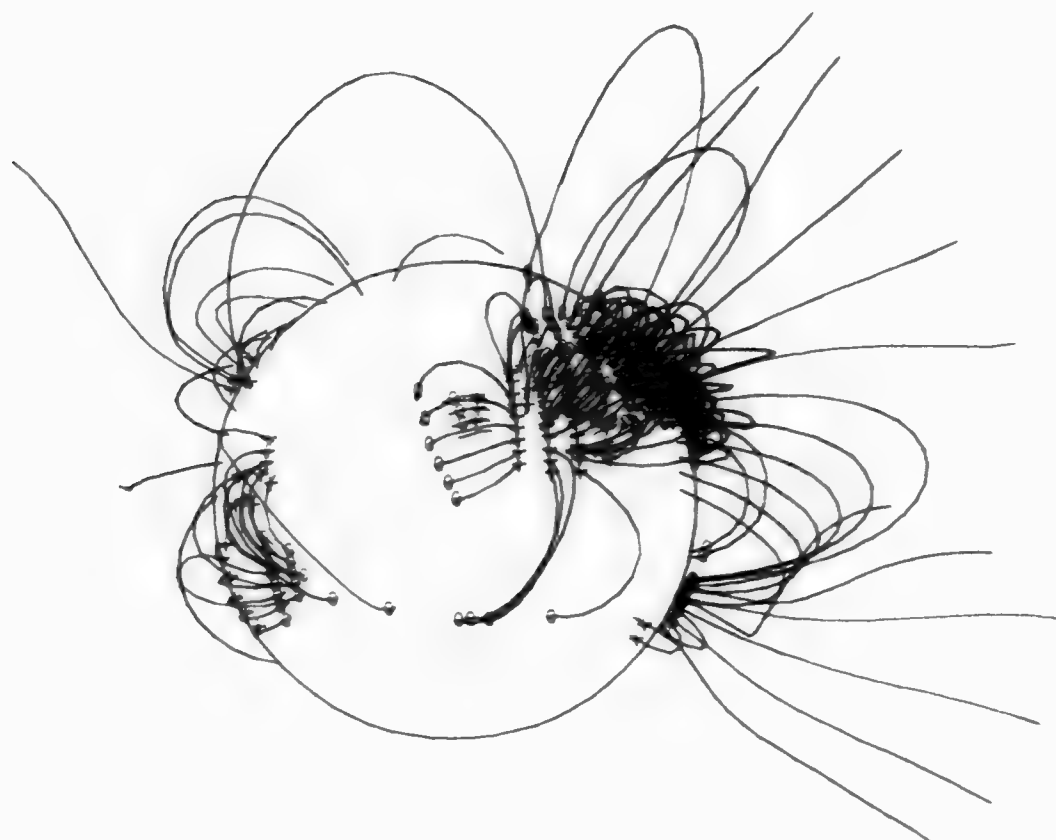
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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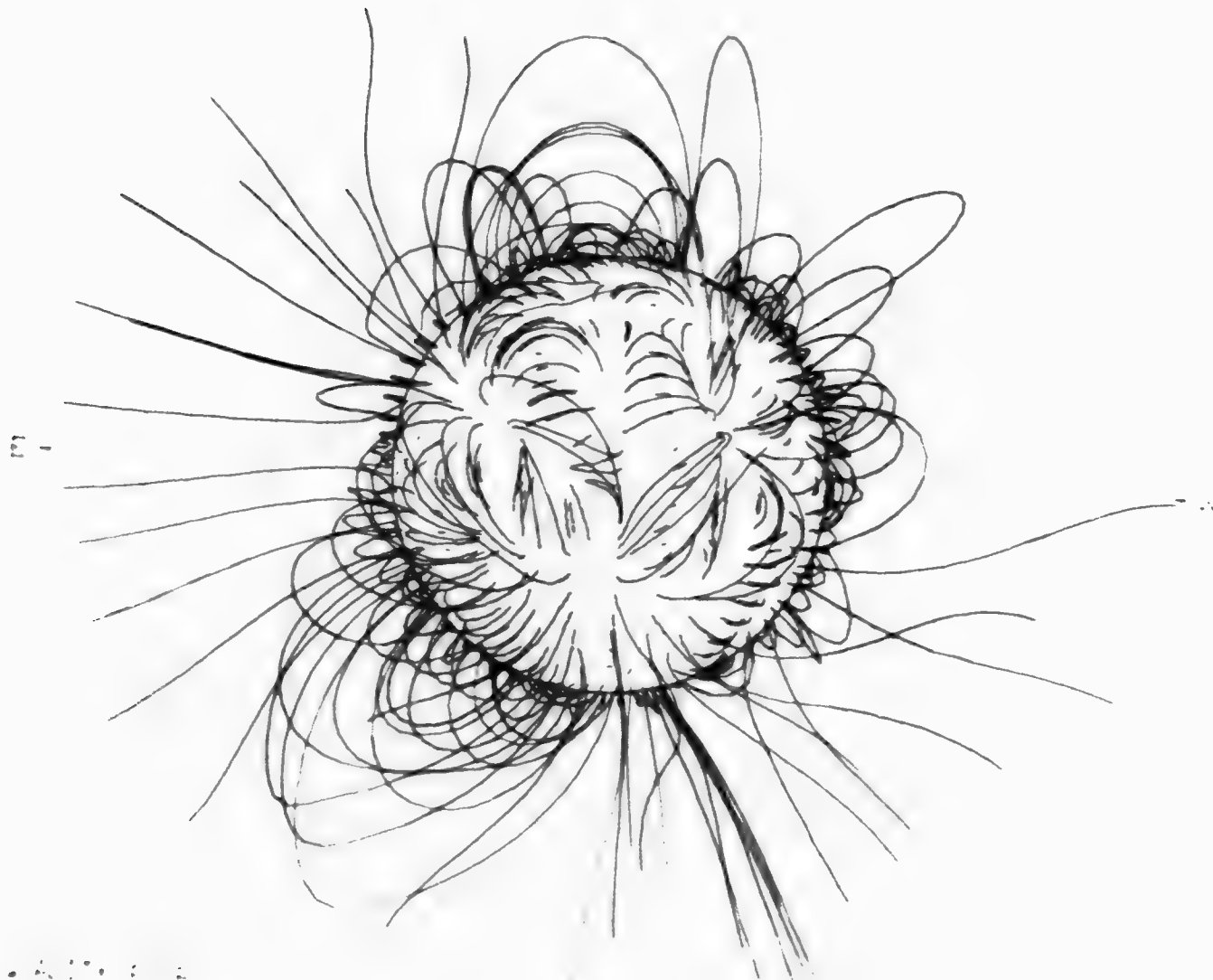
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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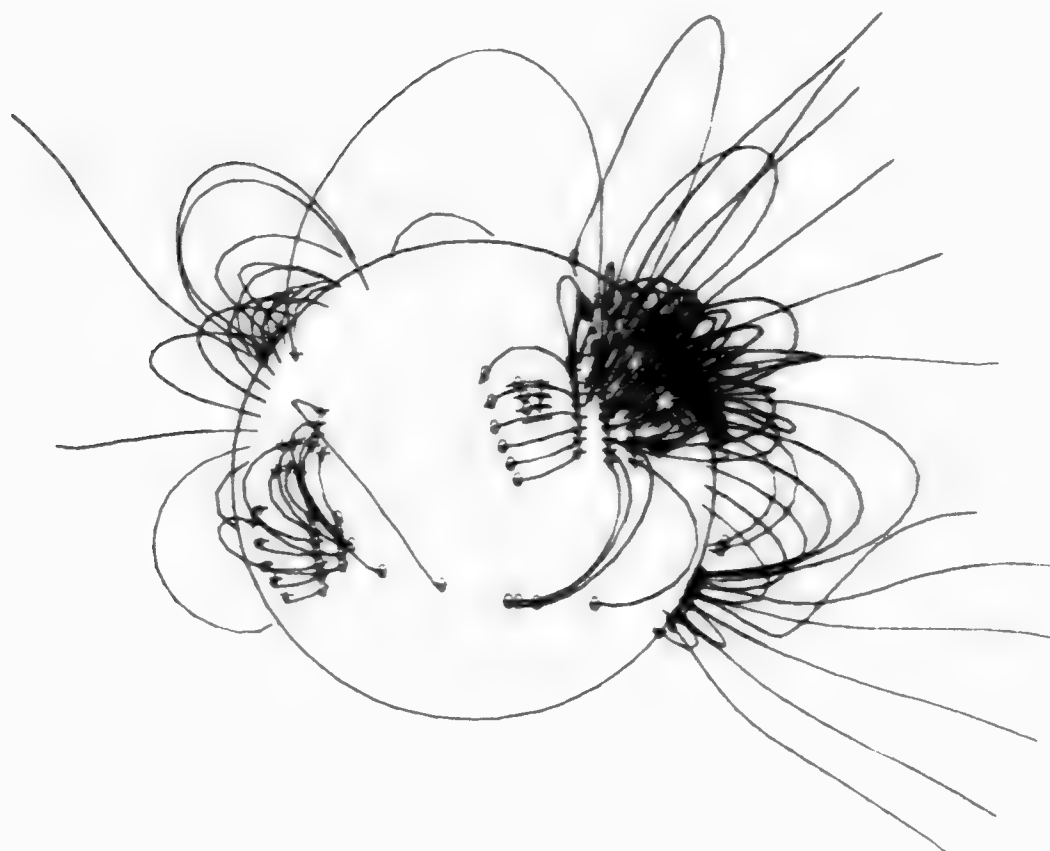
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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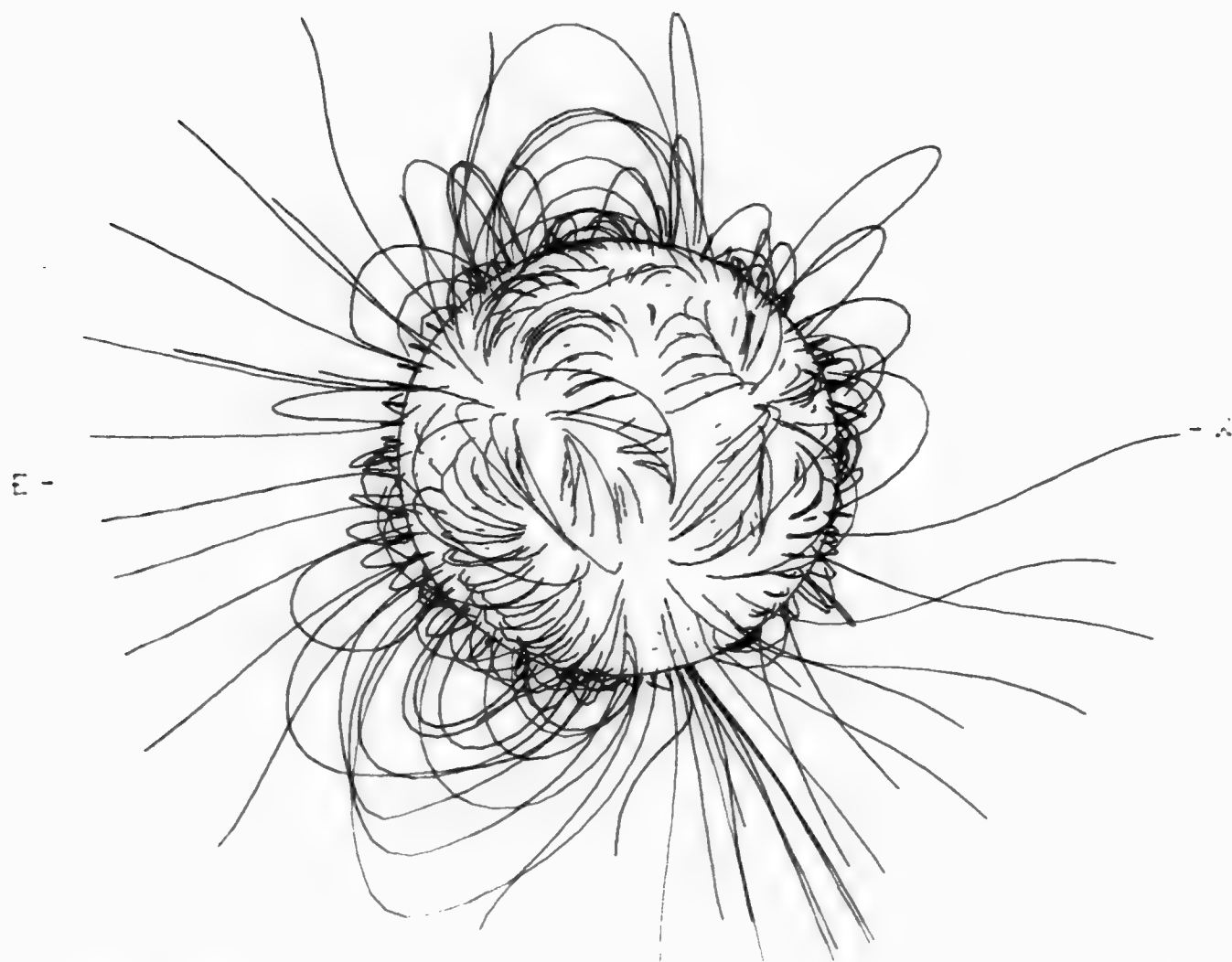
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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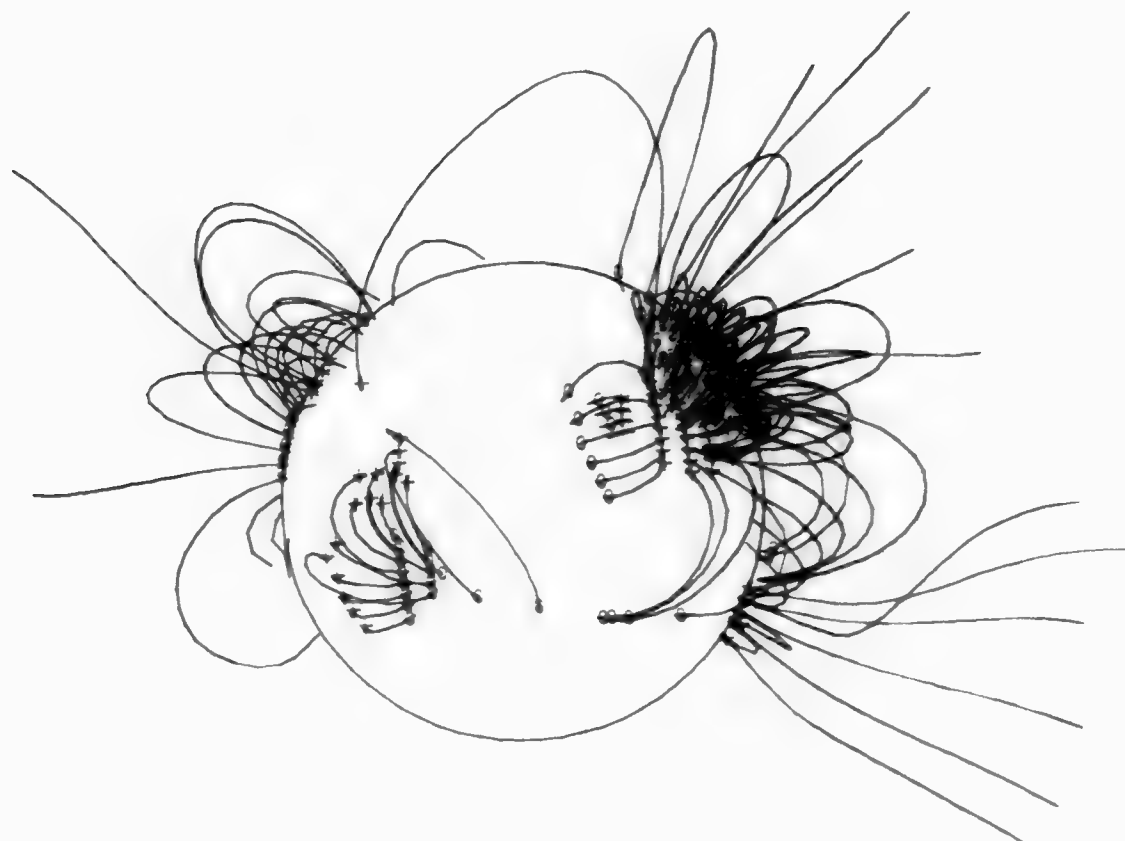
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 DATE JAN 26 1971

HALE OBSERVATORY
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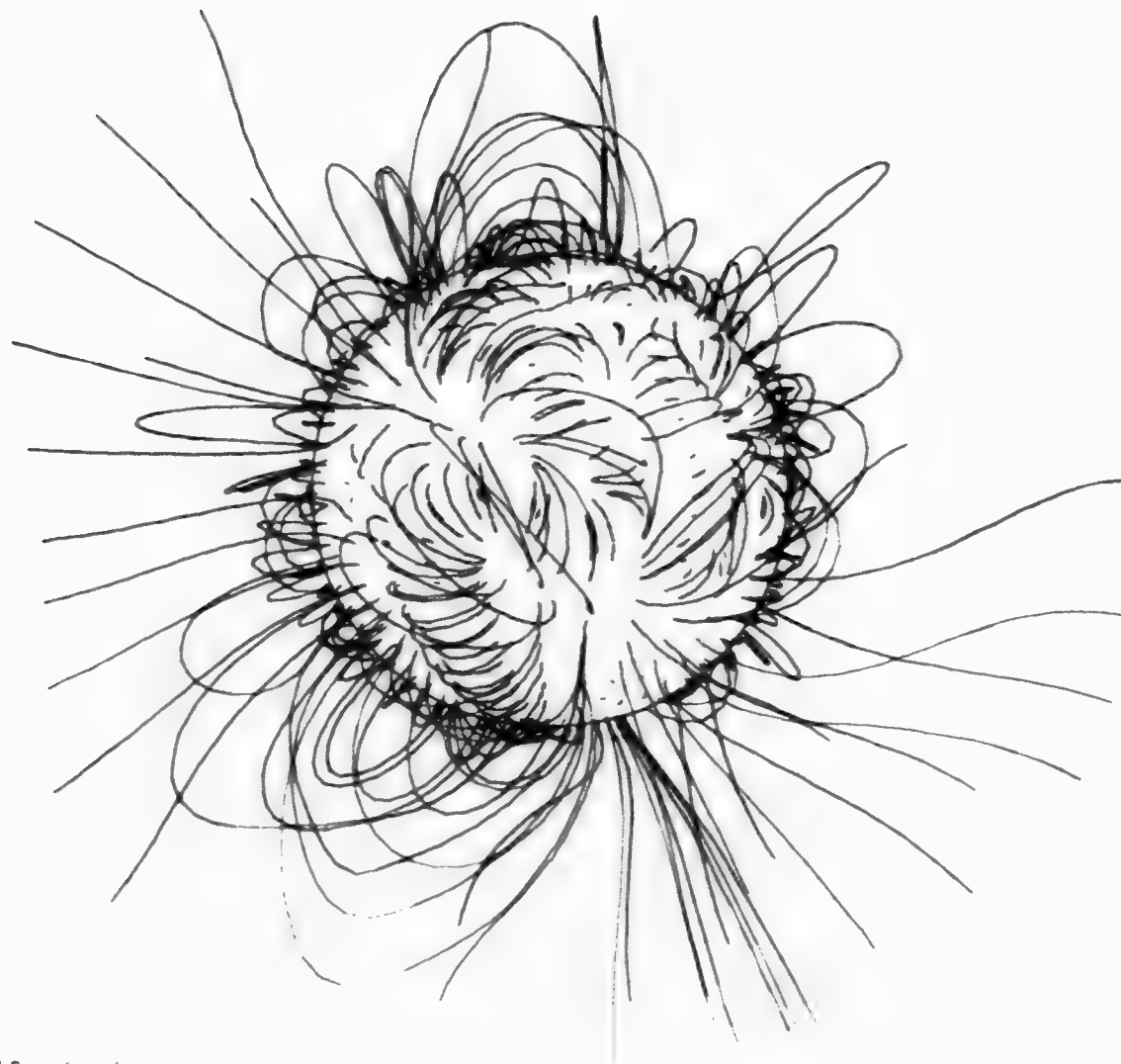
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORIES
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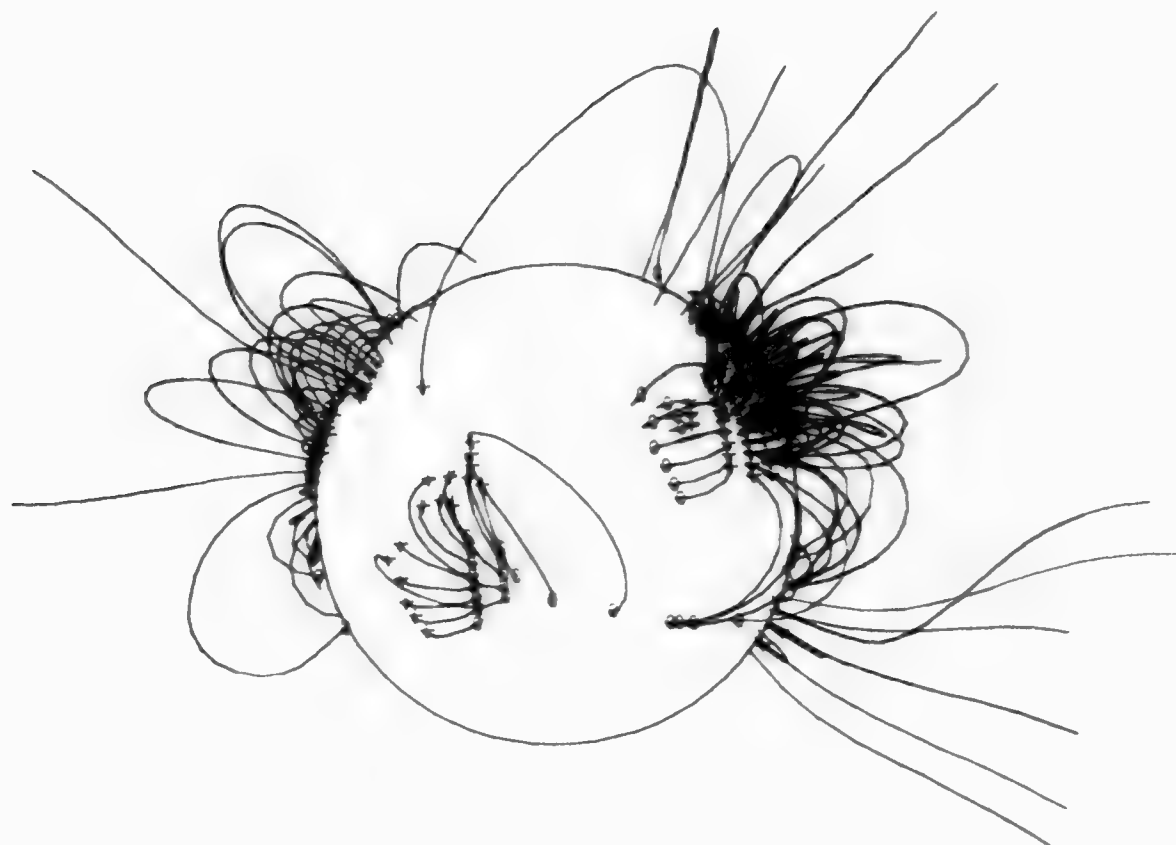
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
1970

HALE OBSERVATORY
HAWAII
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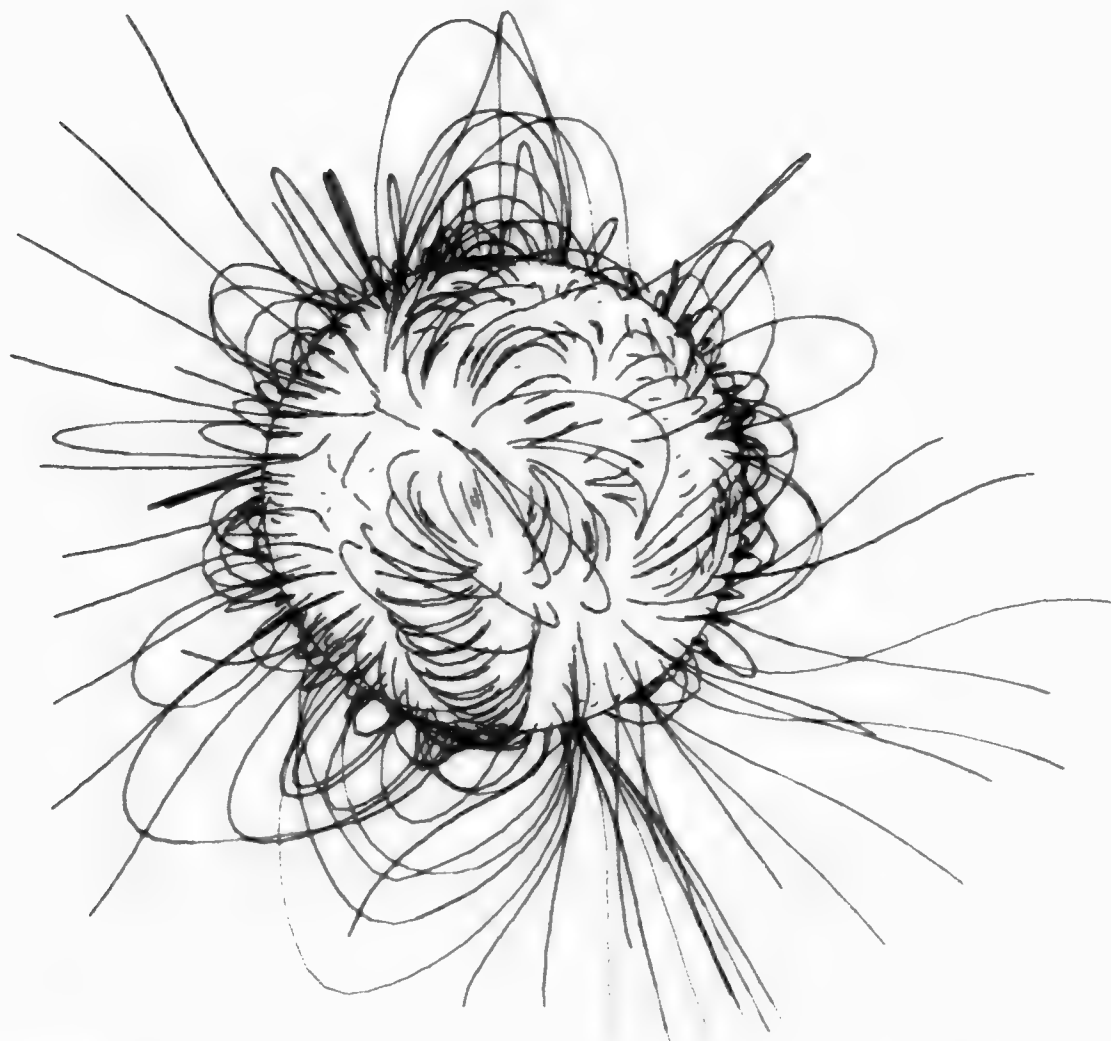
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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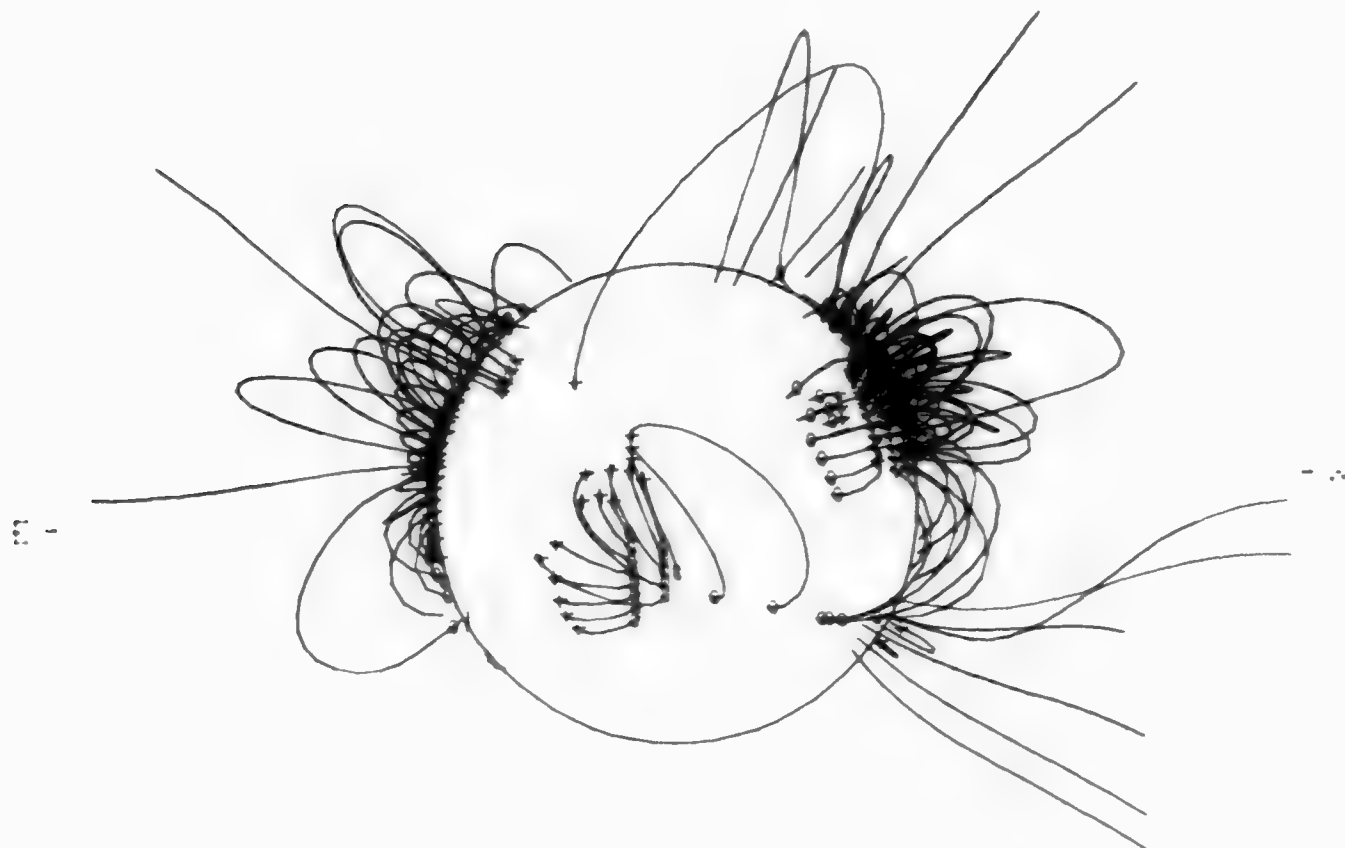
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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CALIFORNIA

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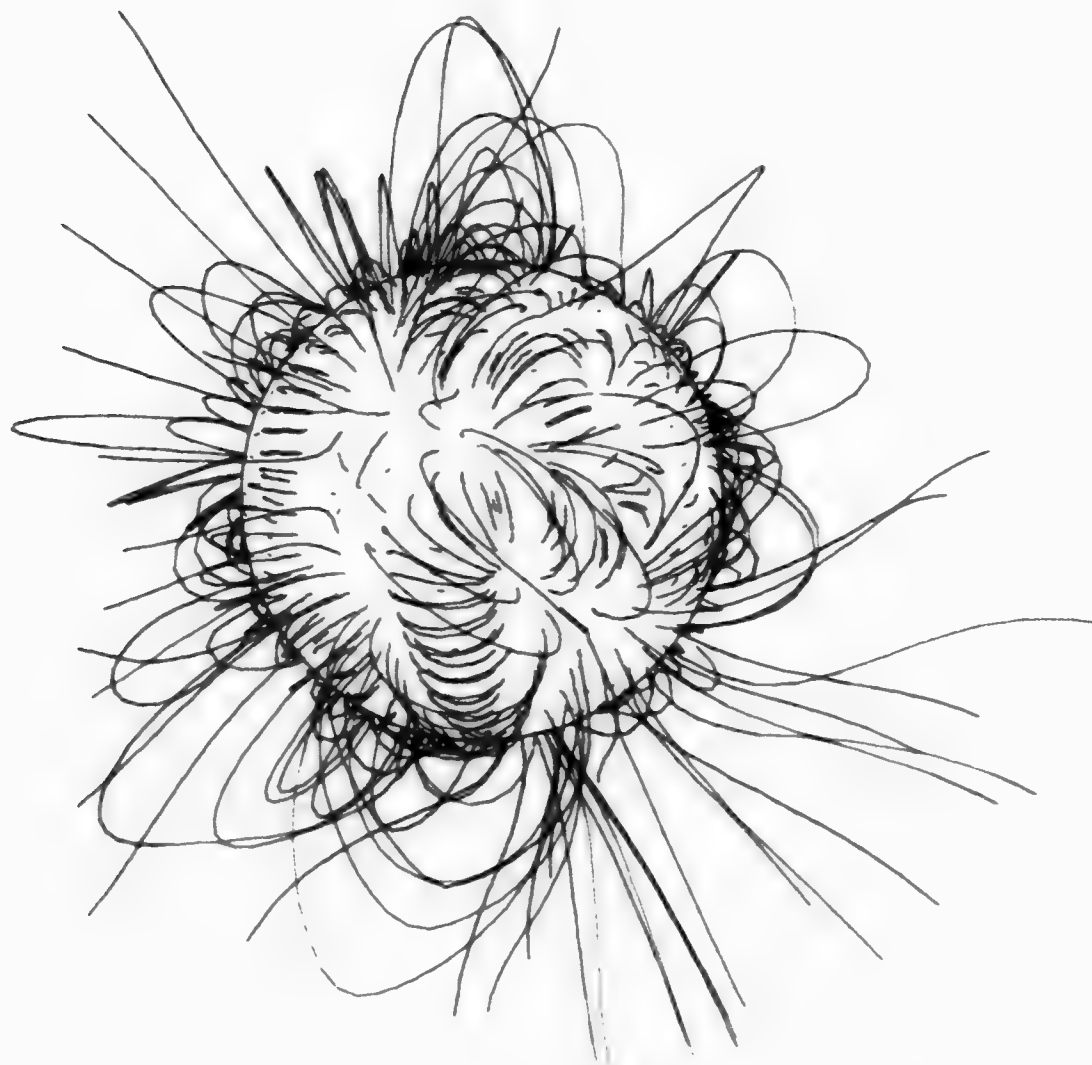
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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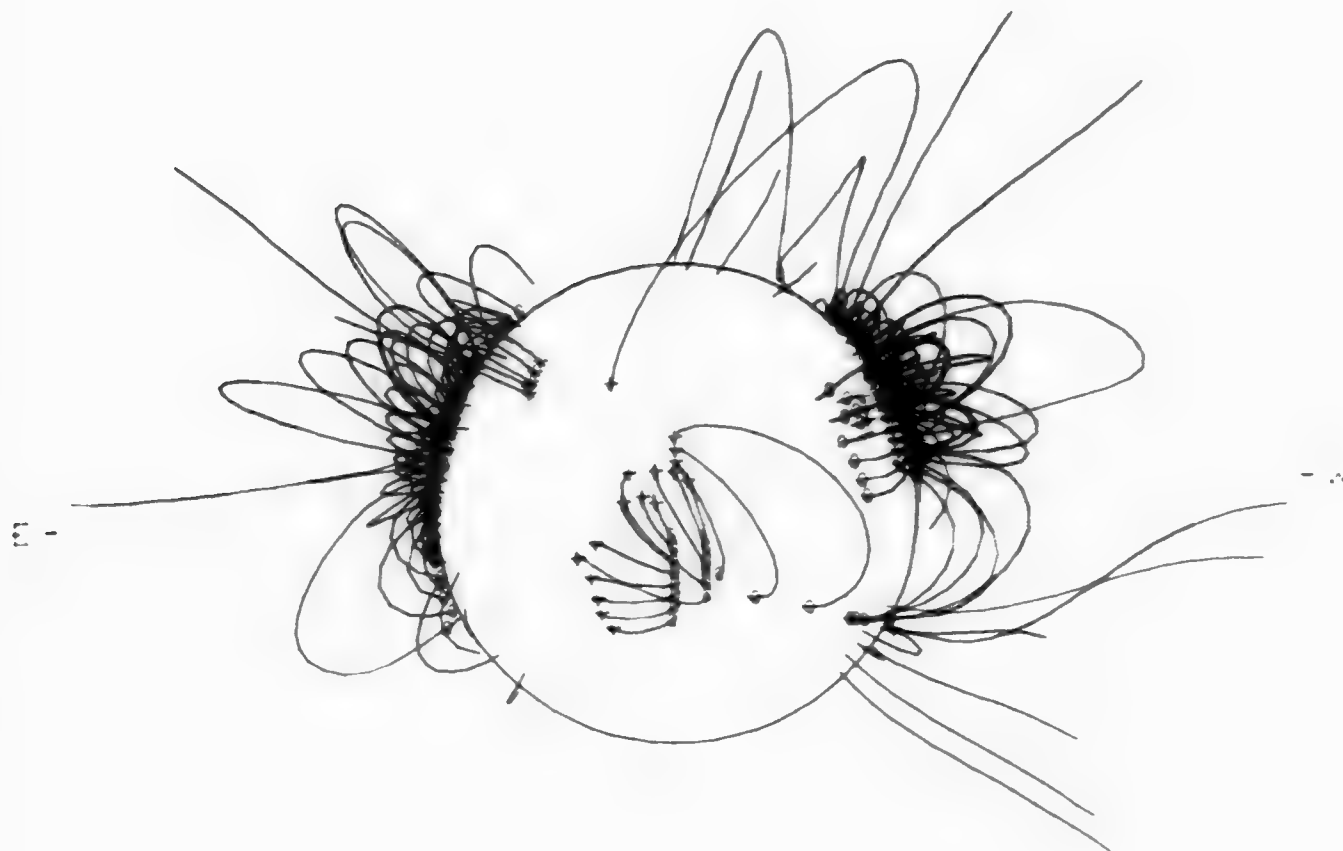
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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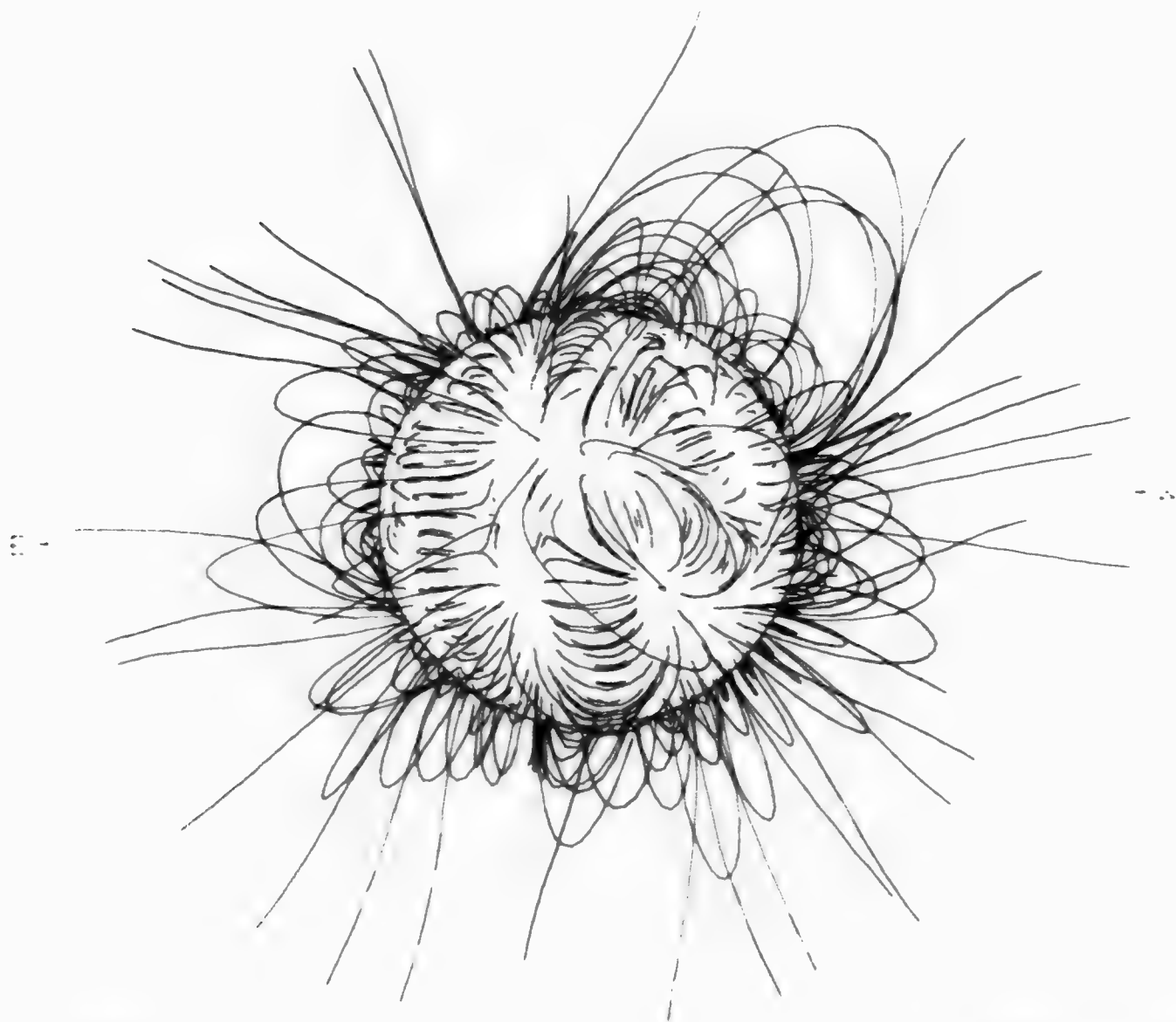
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORIES
HIGHER ALTITUDE OBSERVATORY
HIGHER ALTITUDE OBSERVATORY

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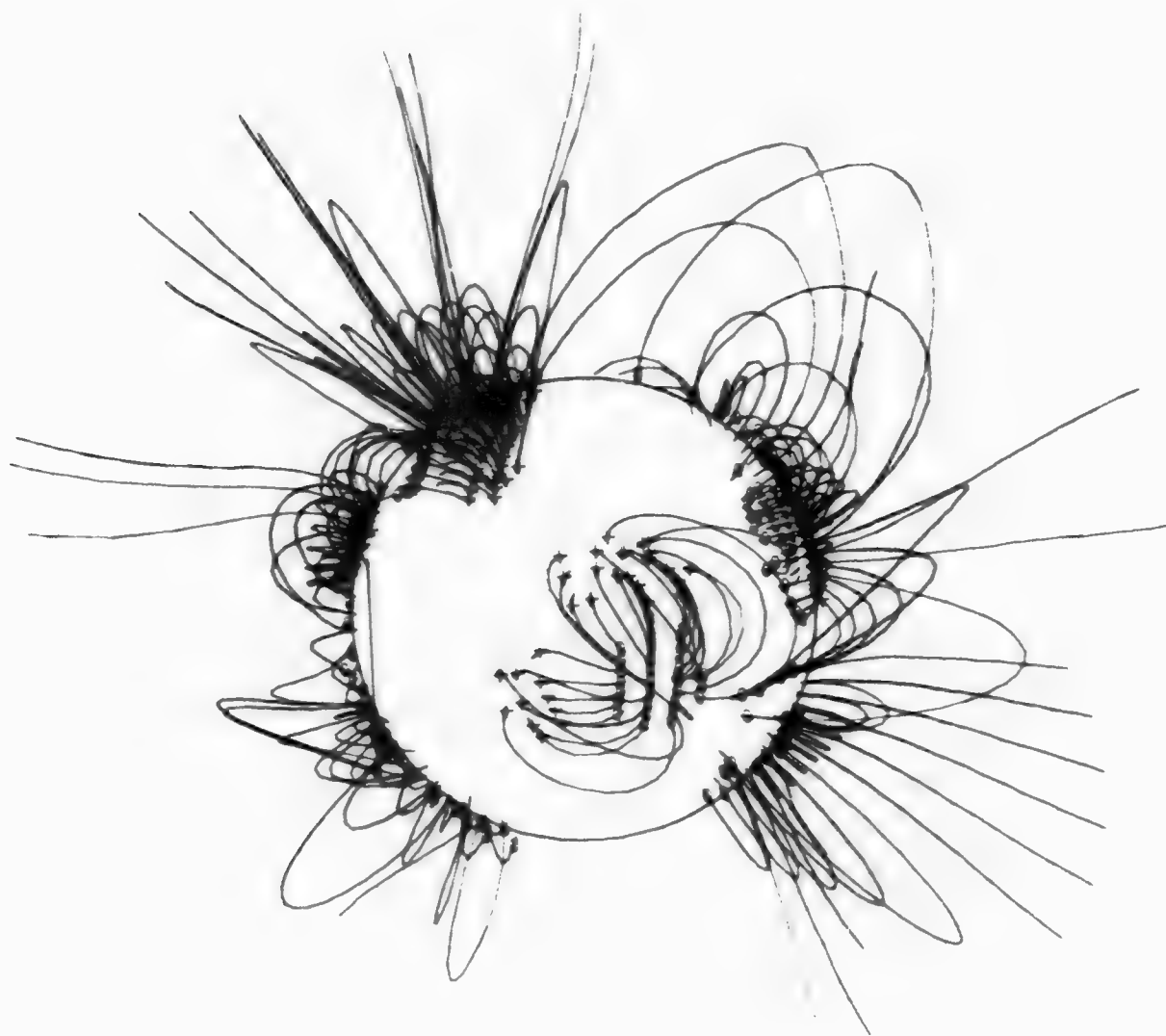
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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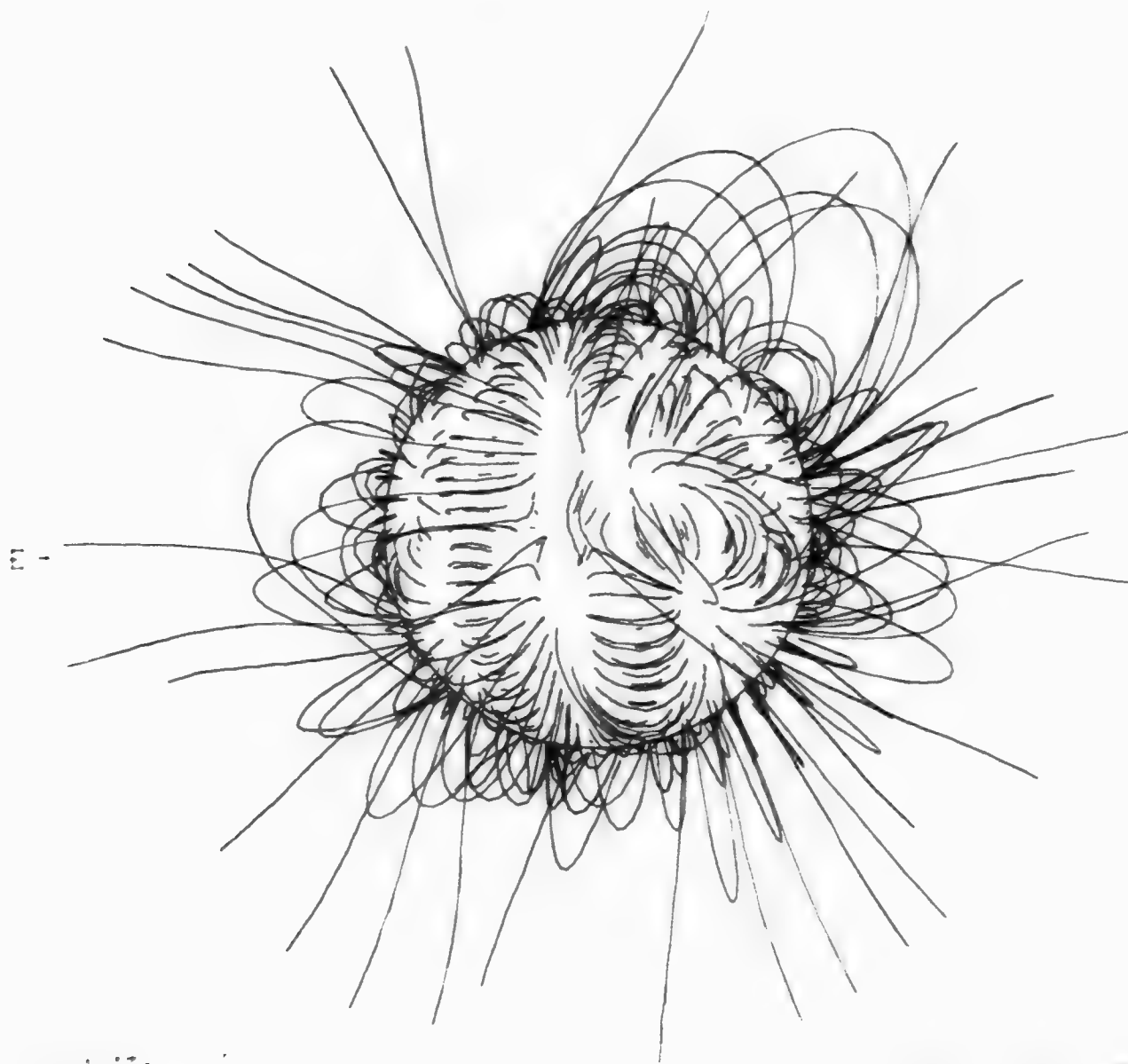
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY
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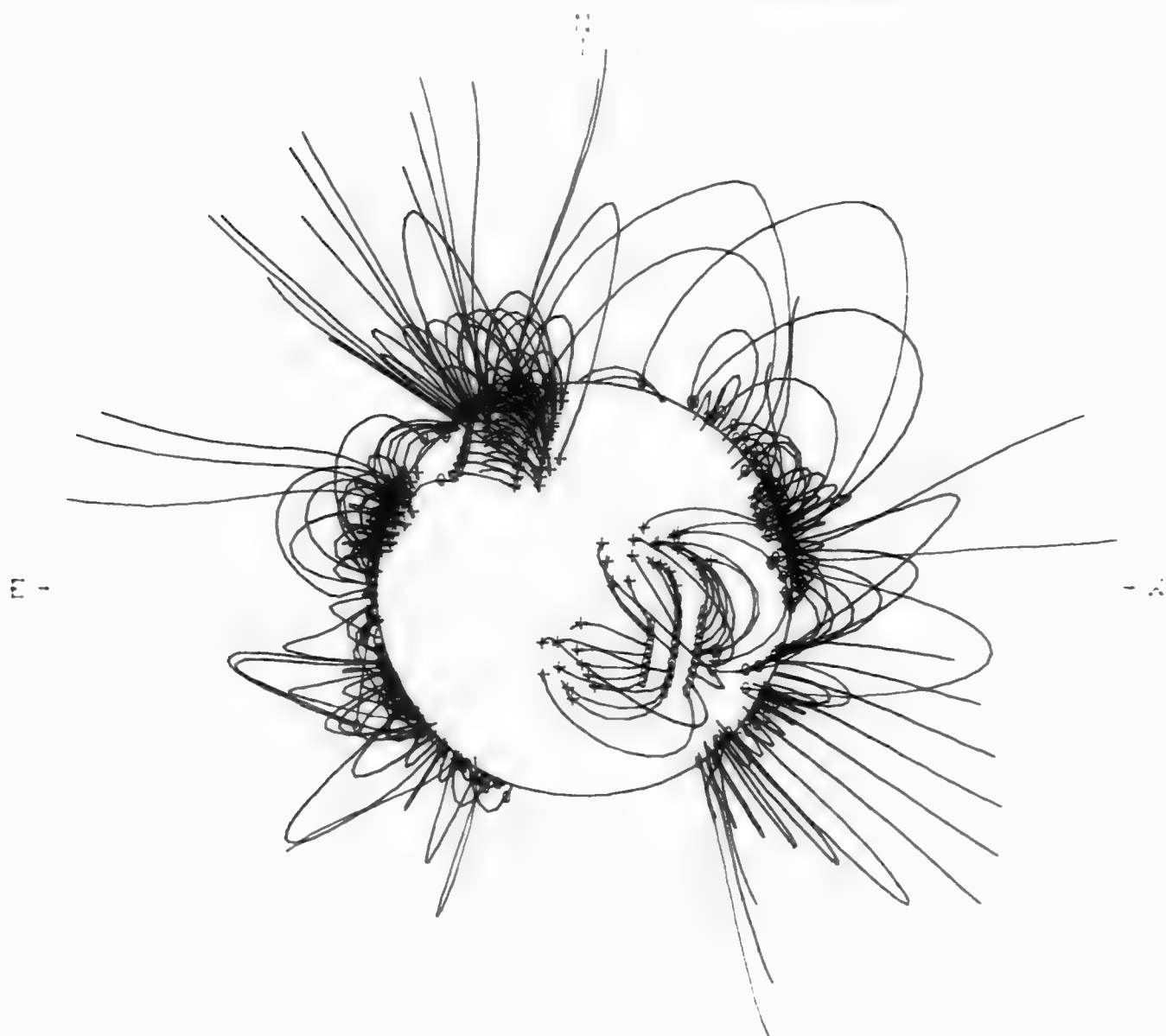
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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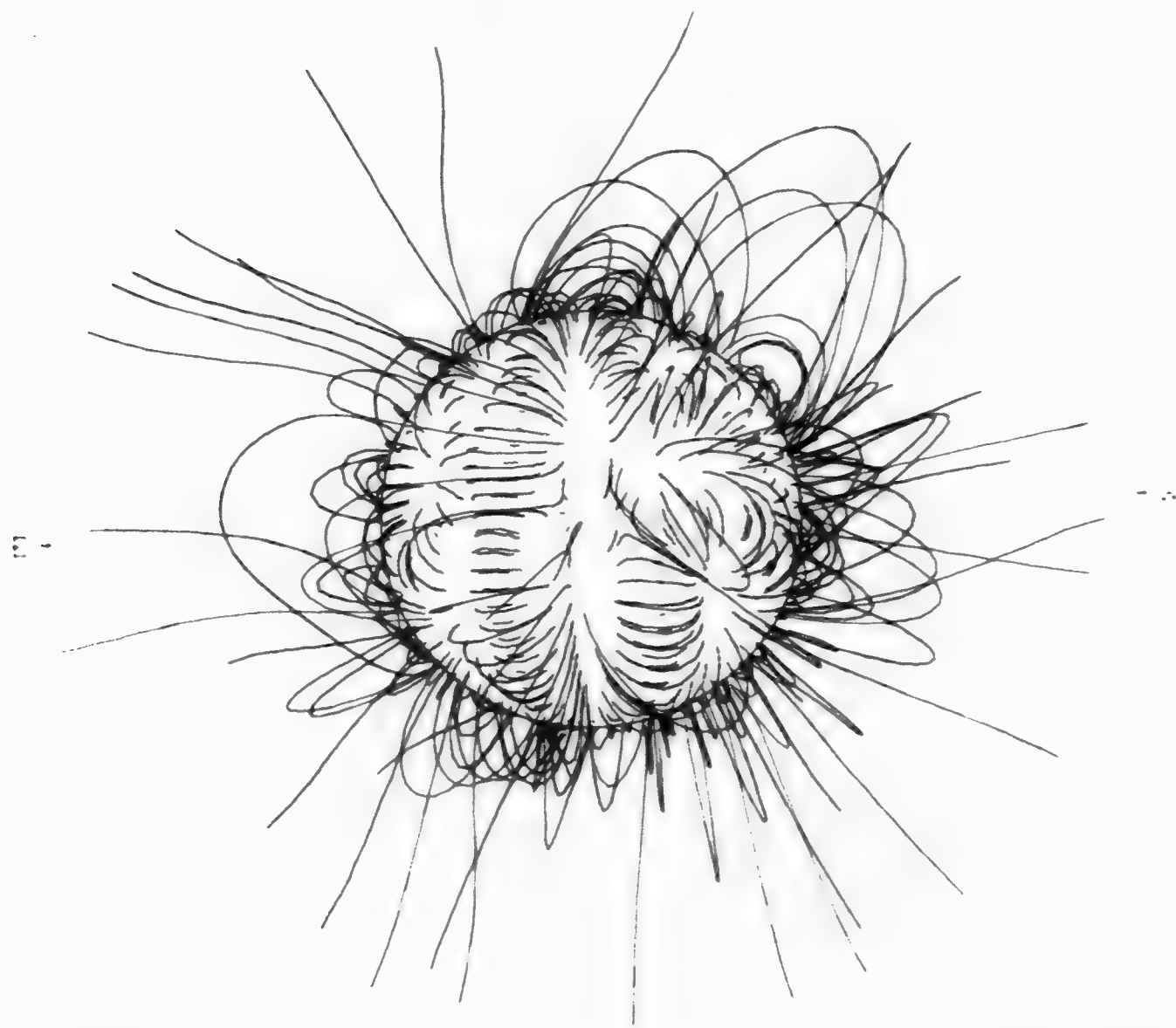
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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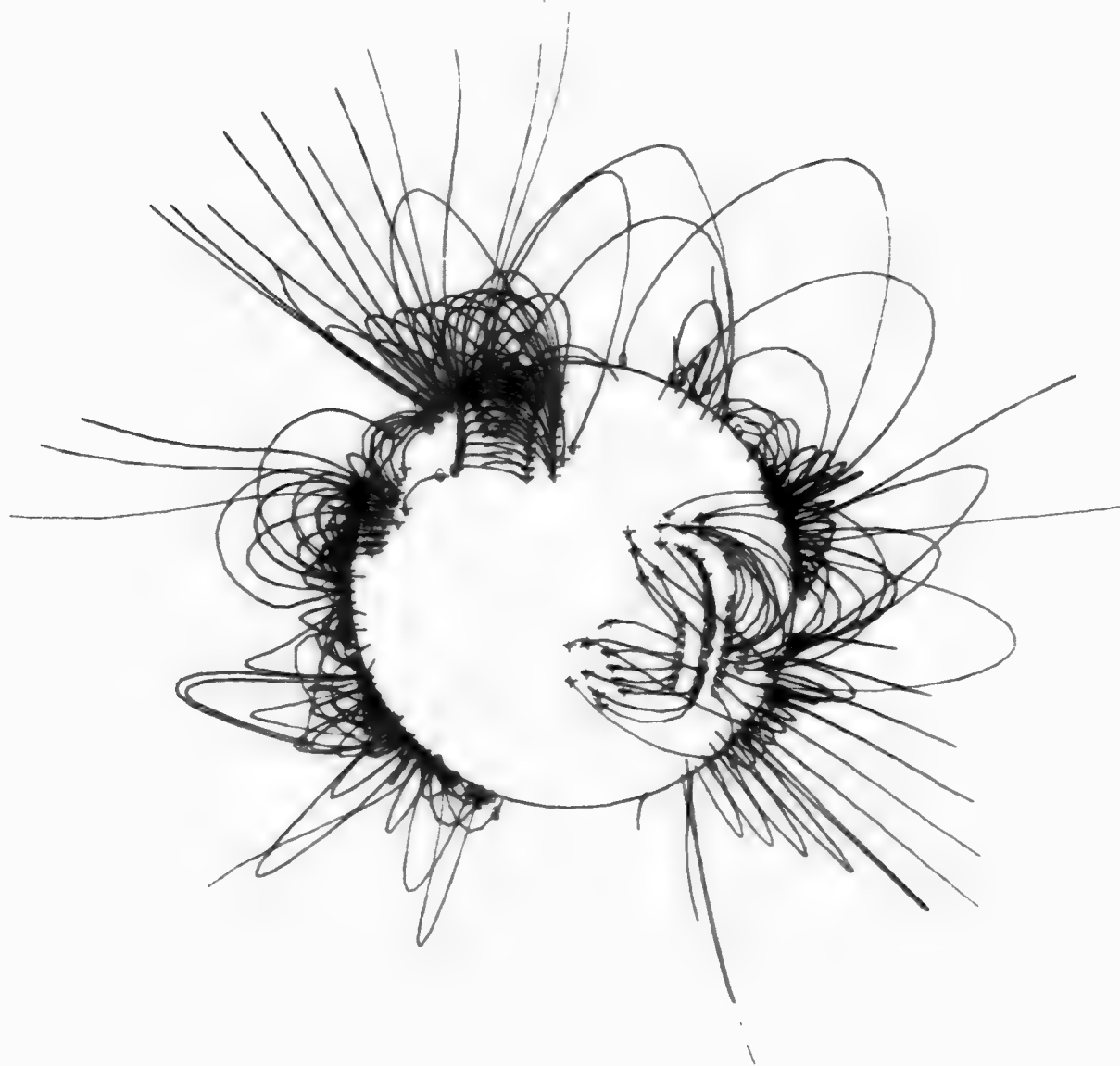
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



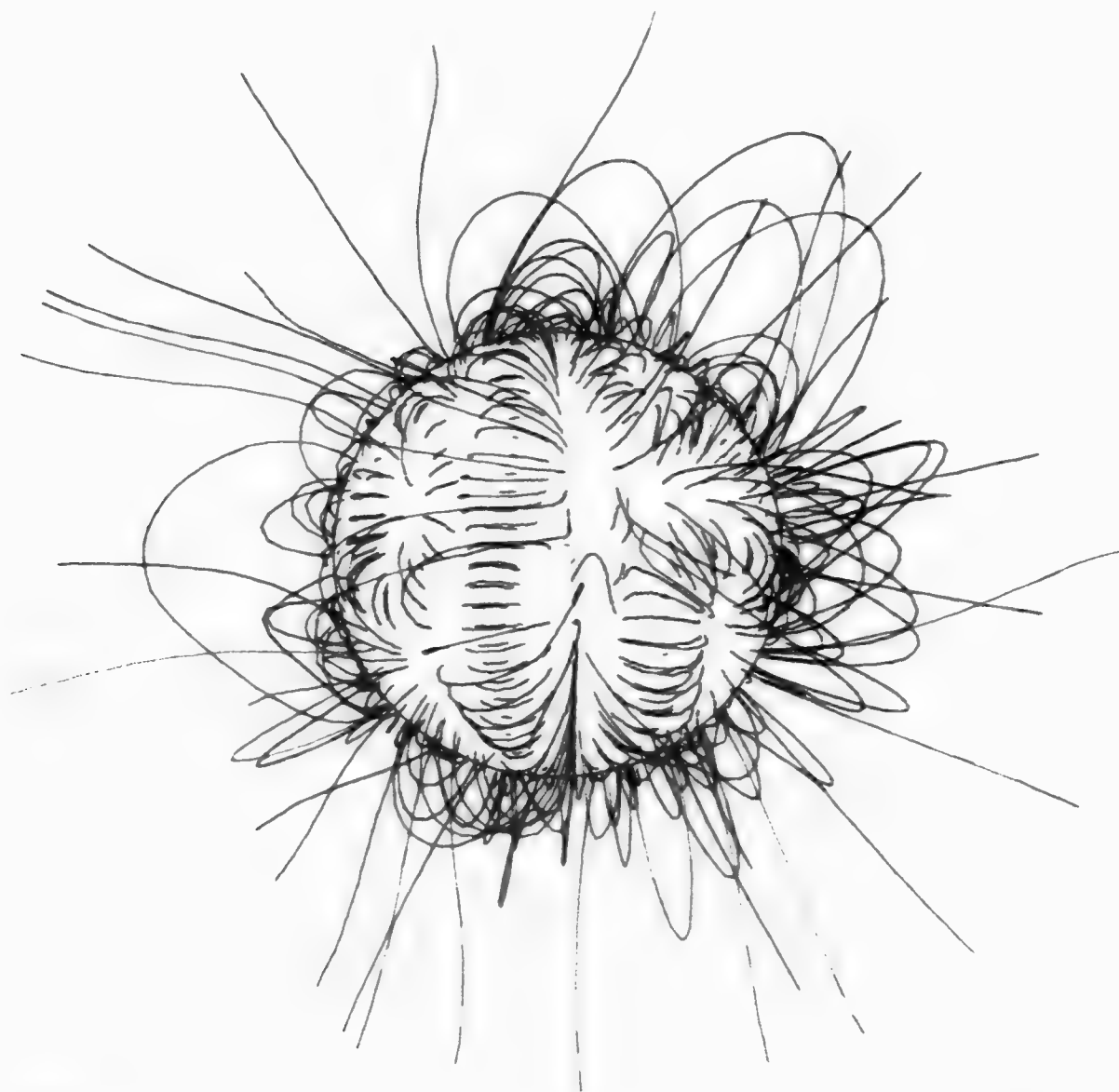
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HALE OBSERVATORY
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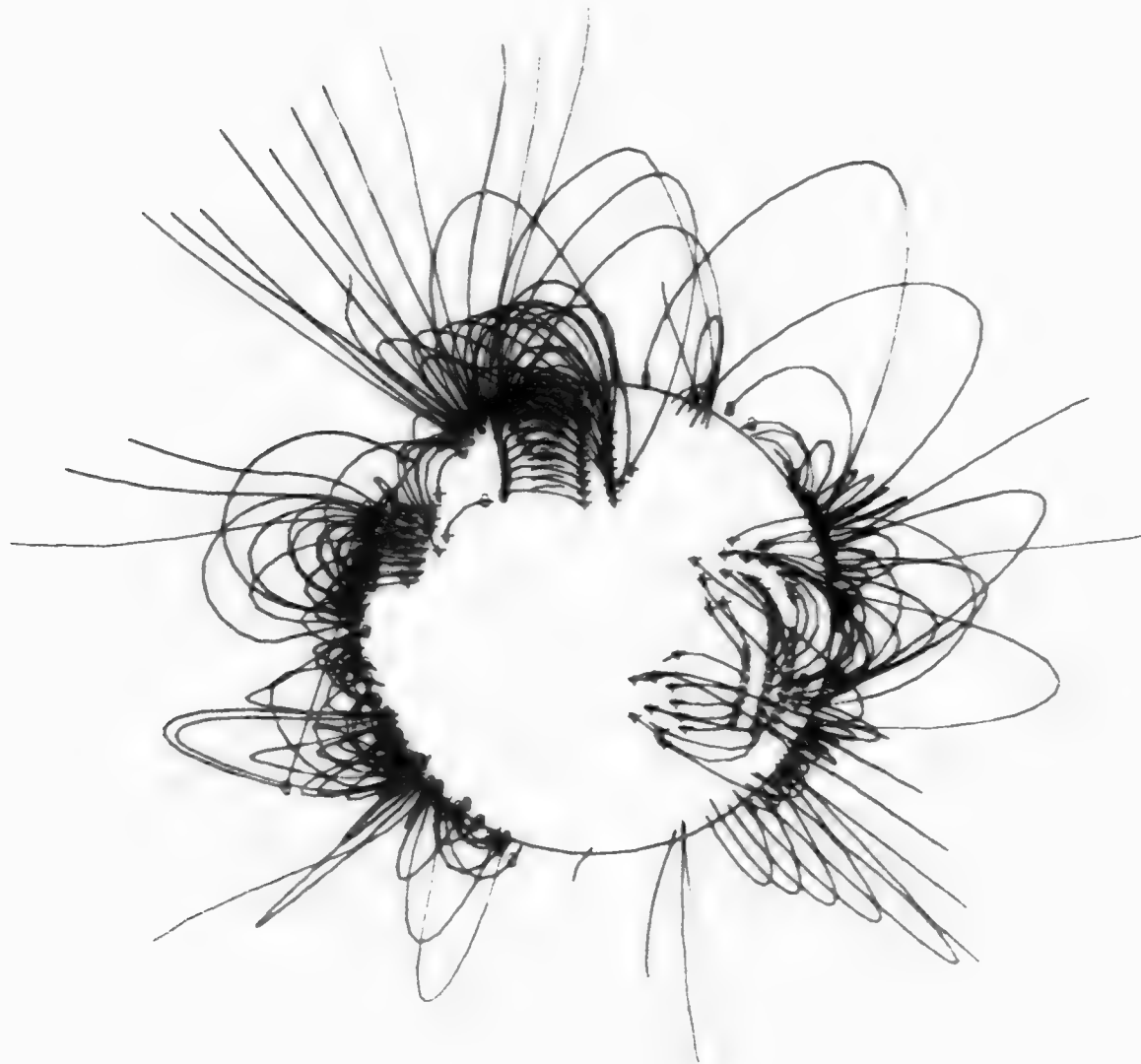
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



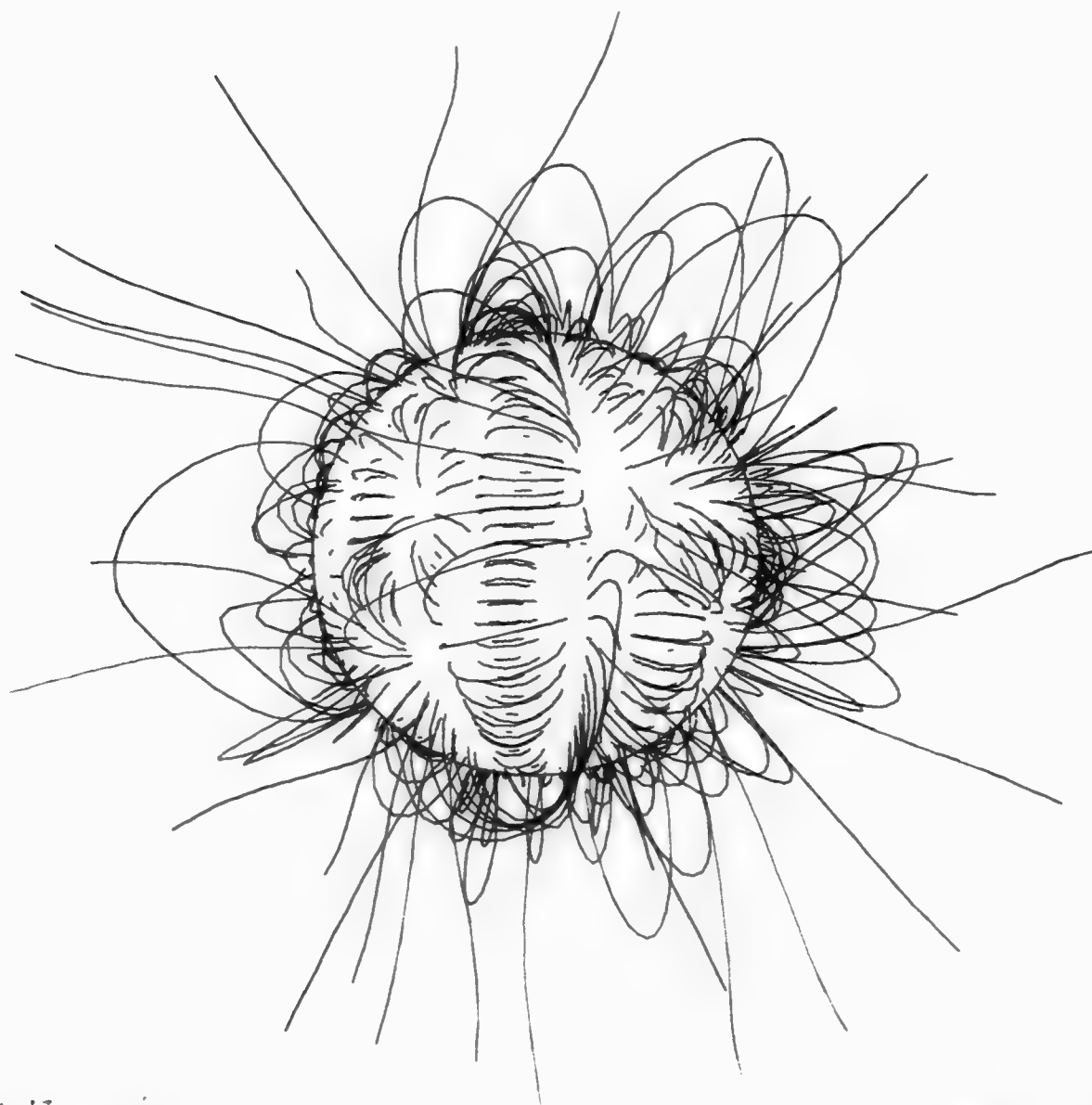
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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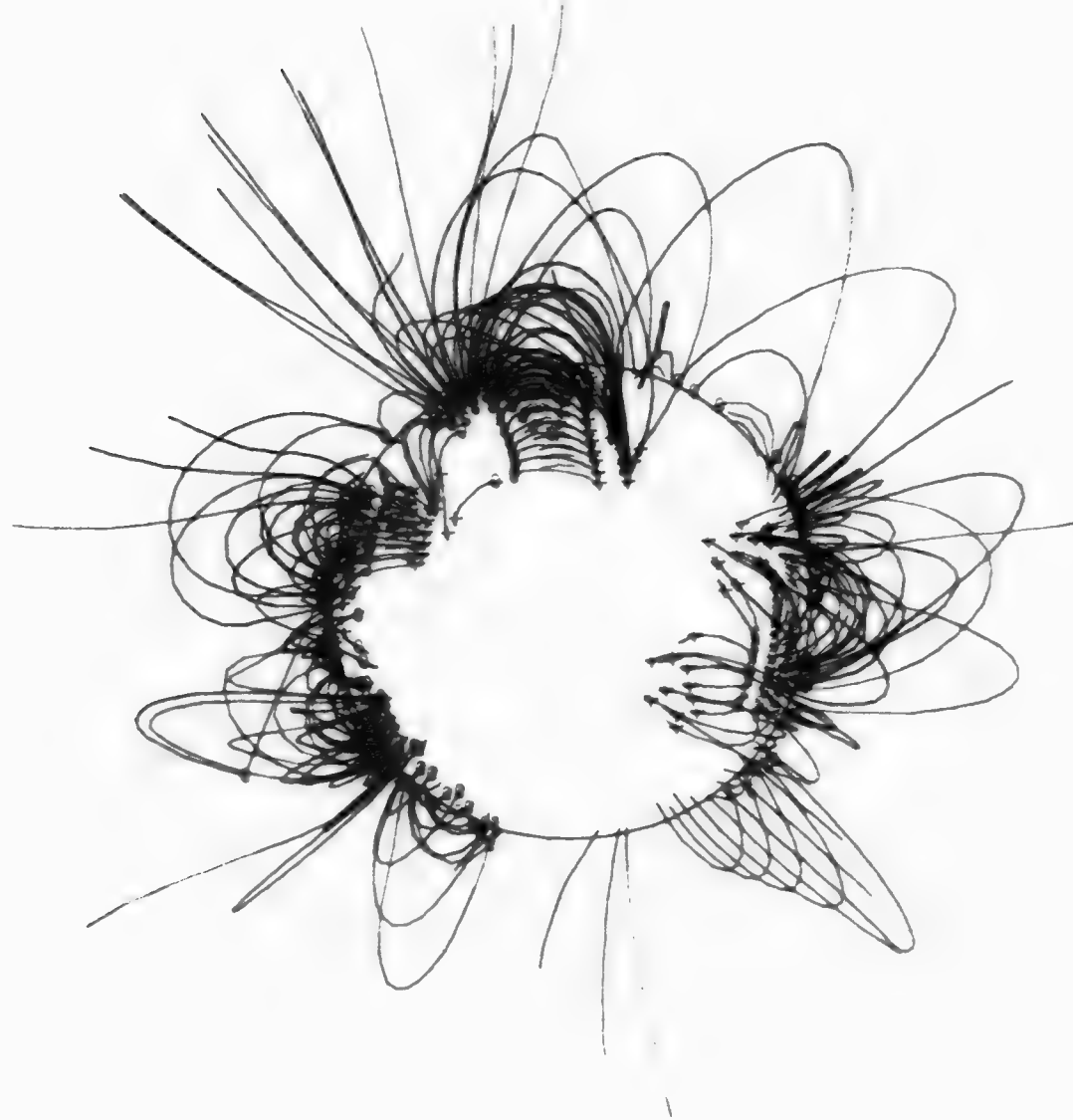
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



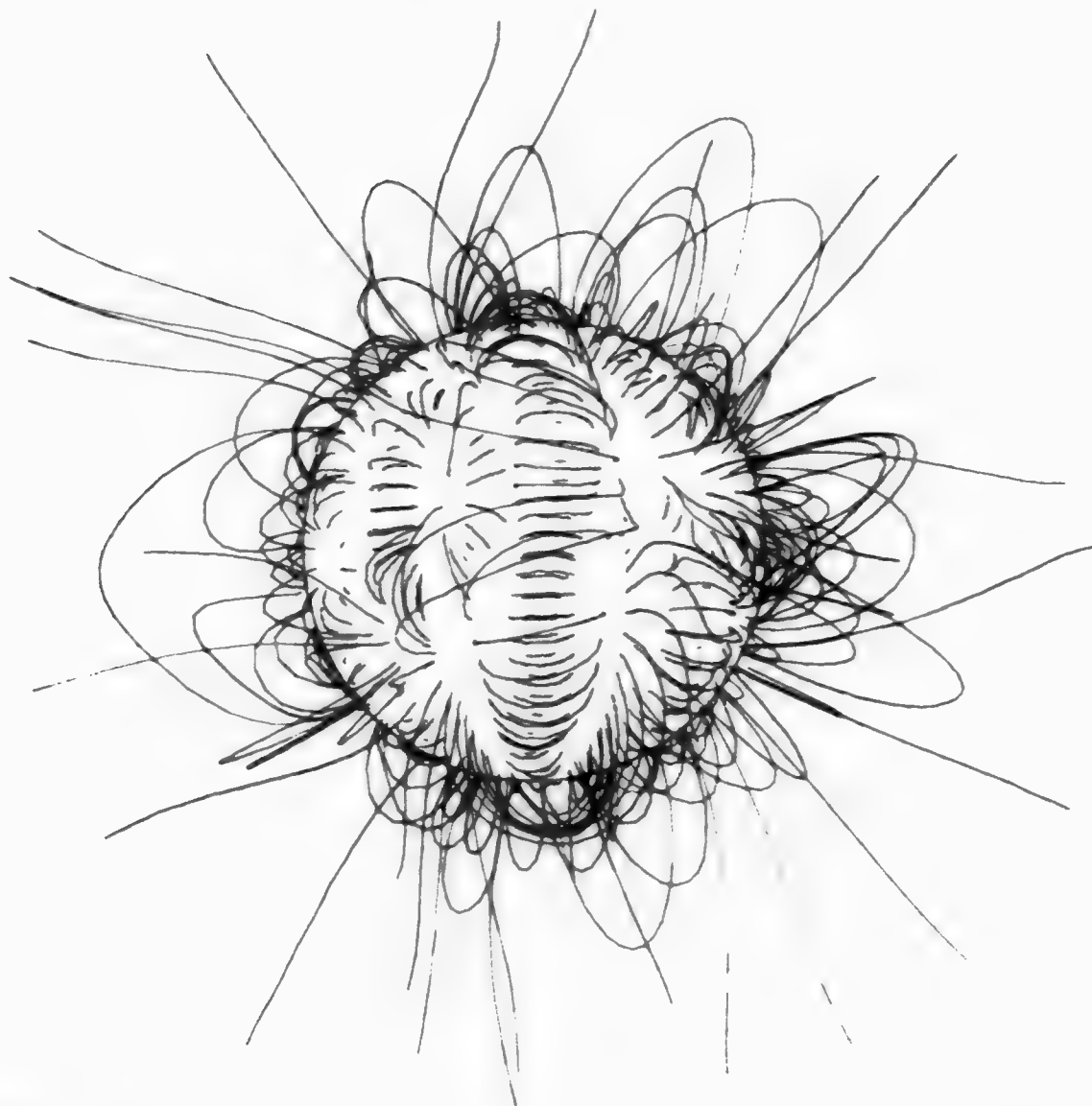
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HAWAII
1970-1971

HALE OBSERVATORY
HAWAII
1970-1971

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



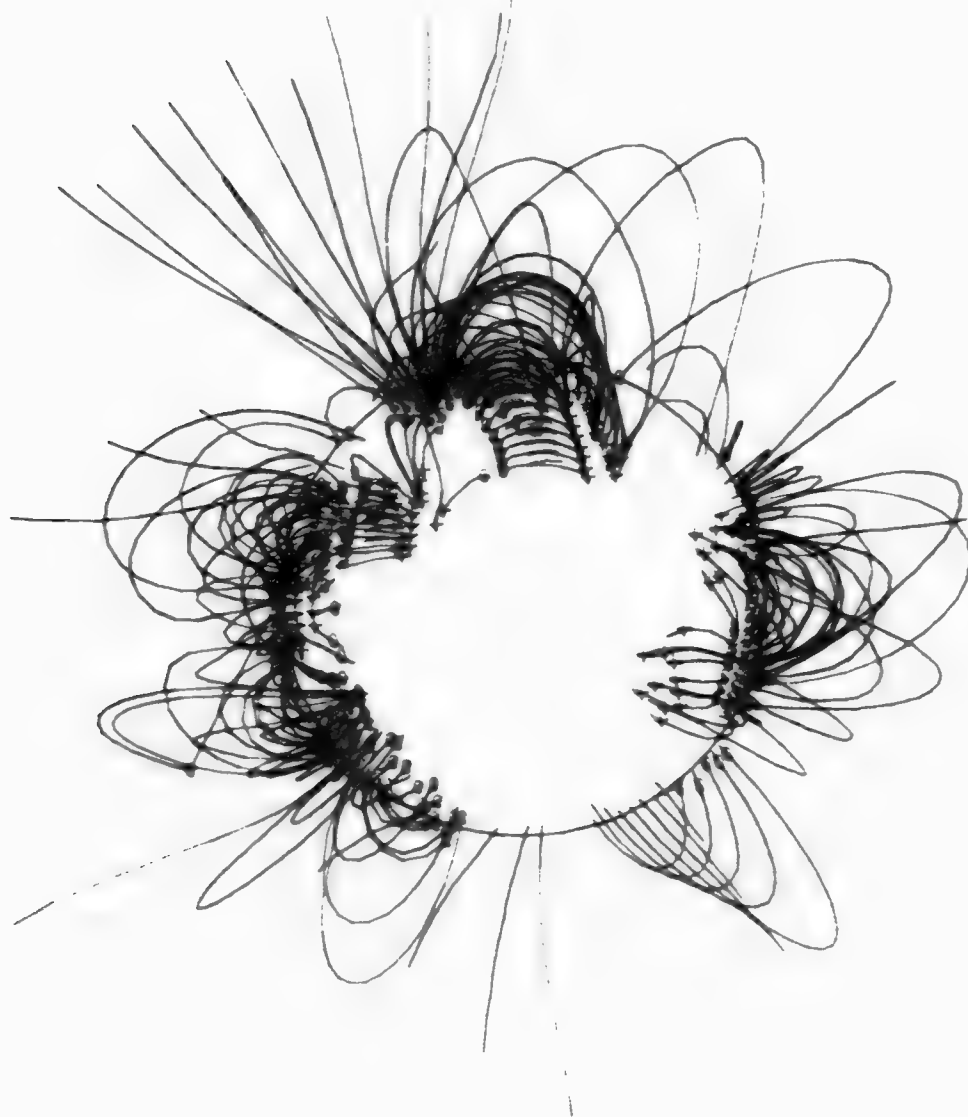
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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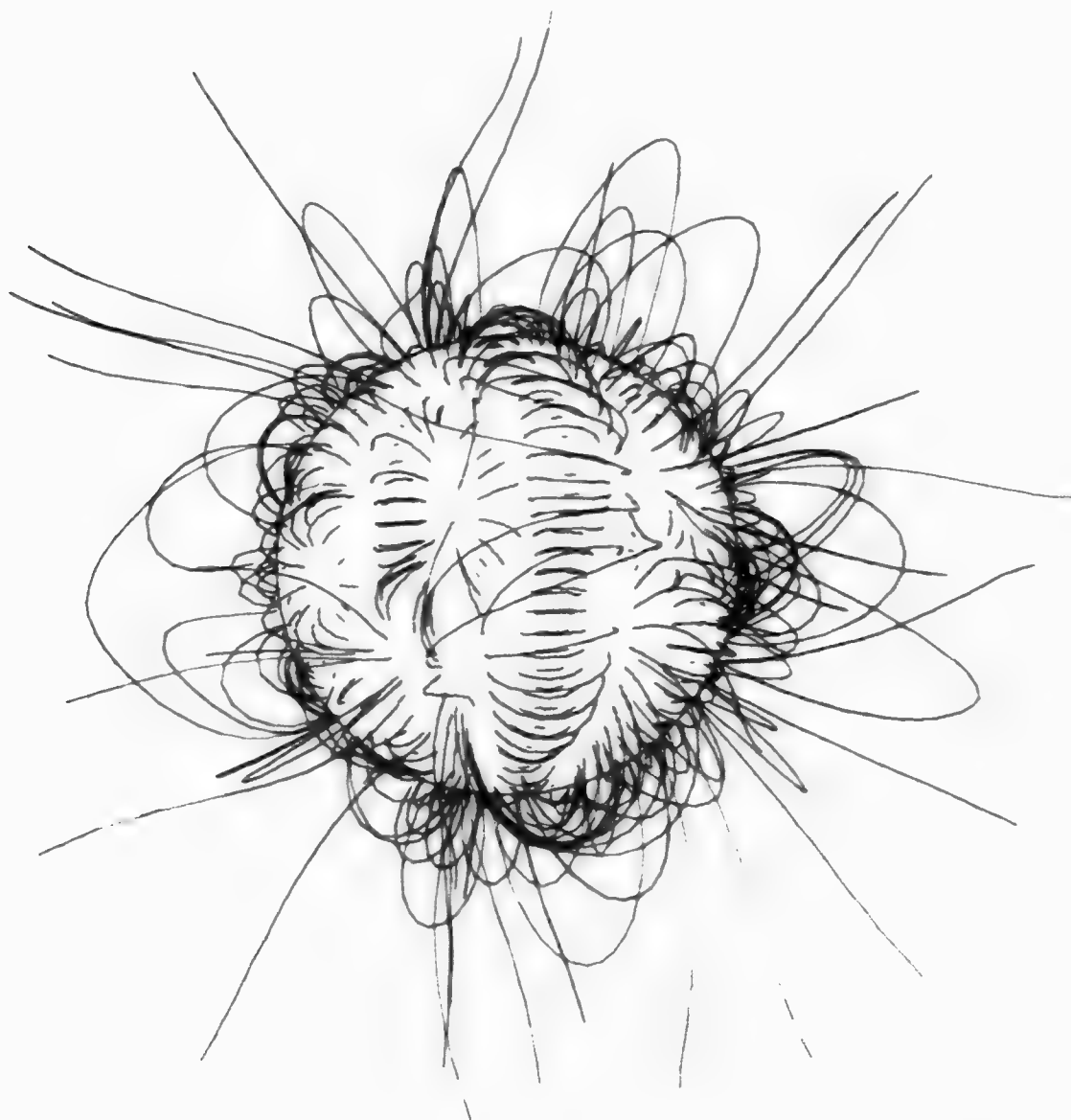
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



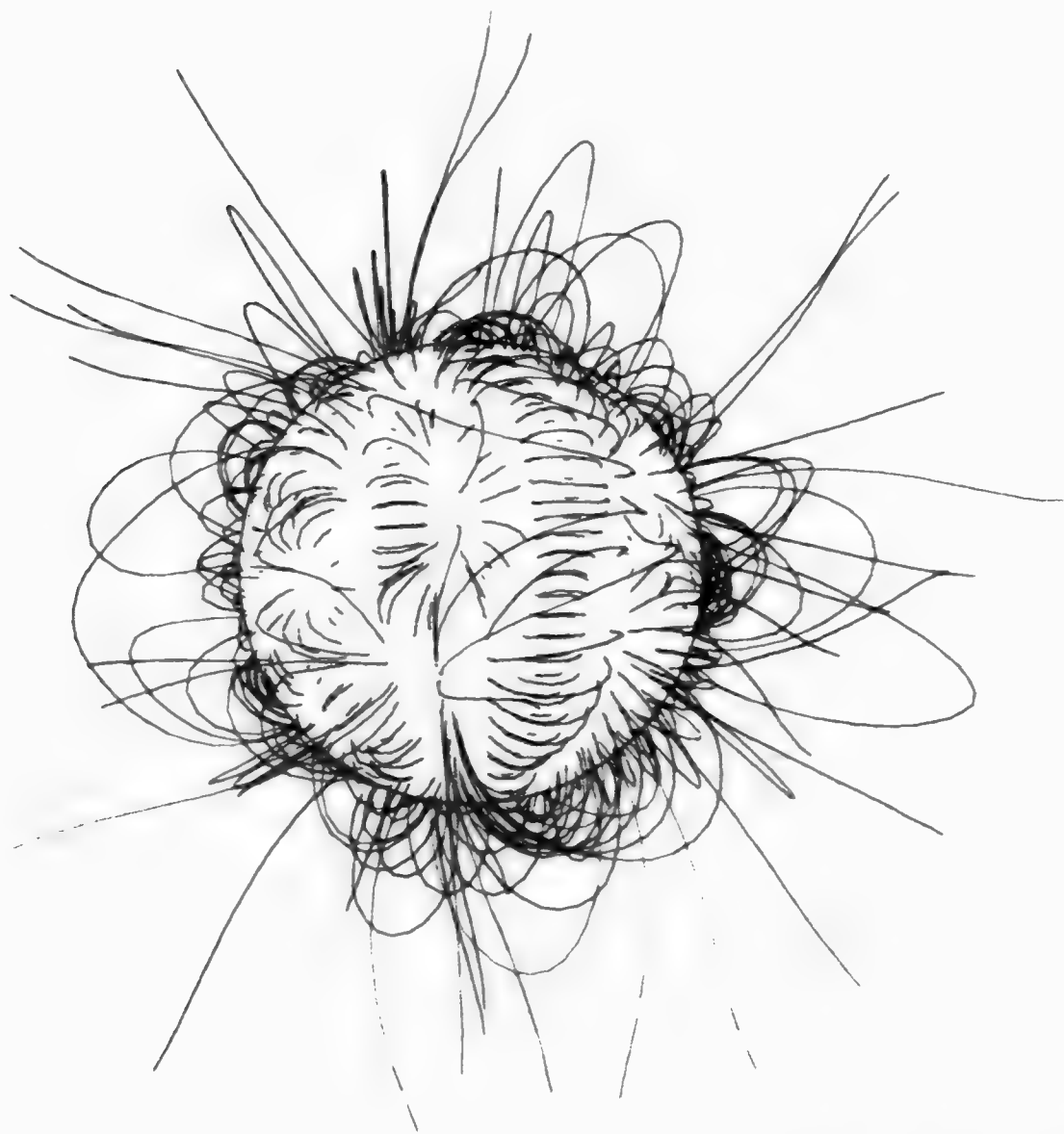
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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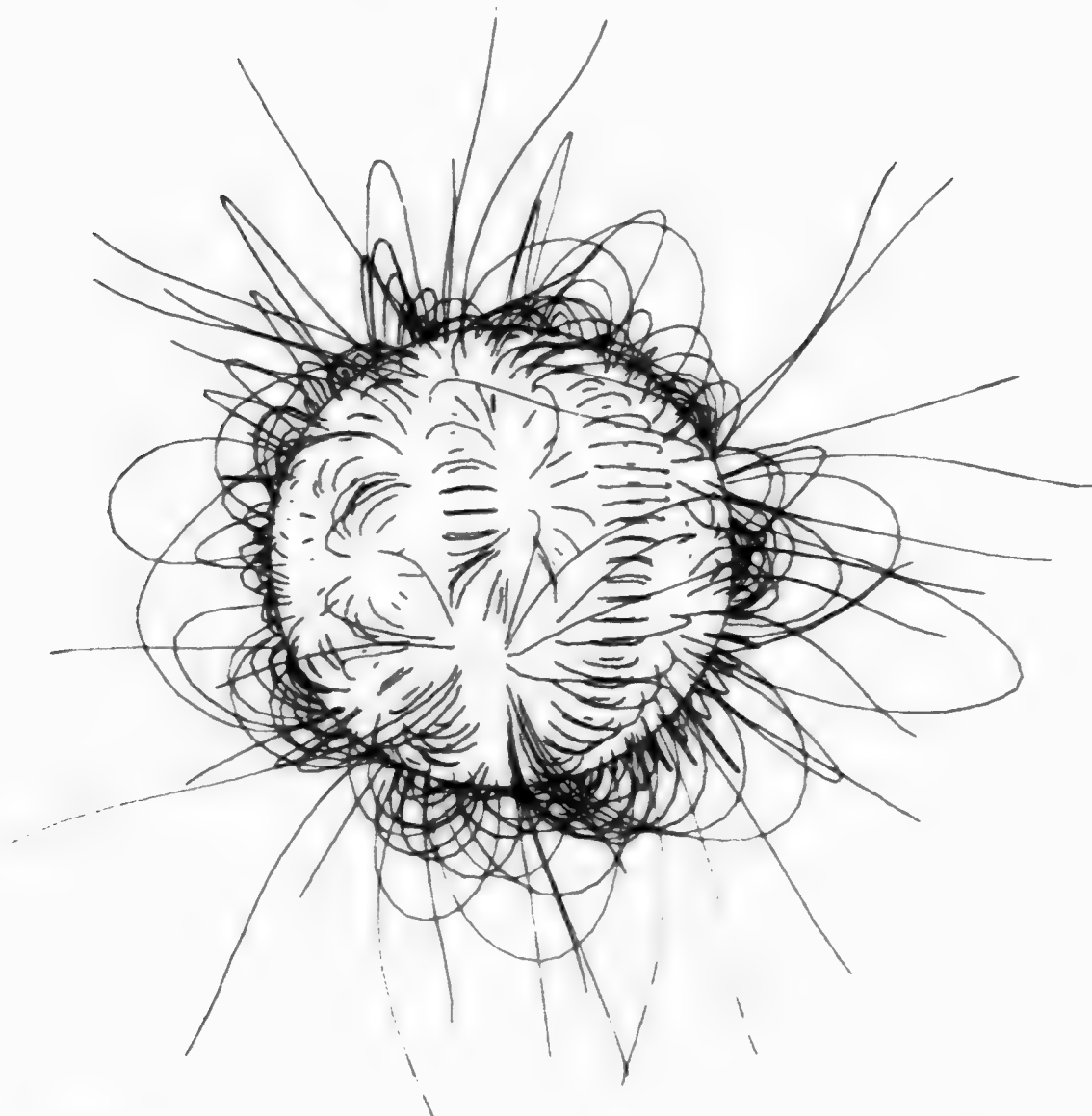
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



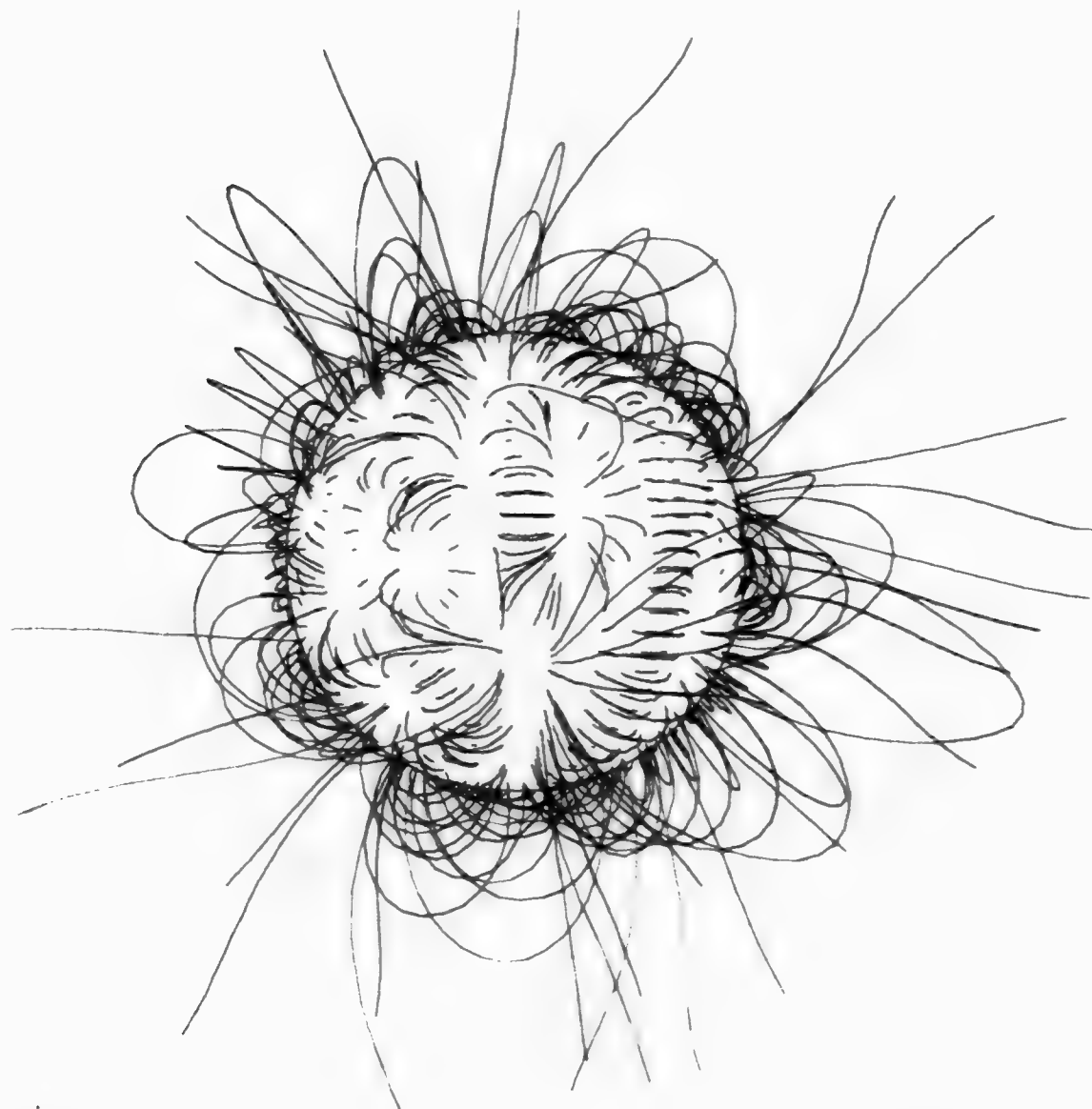
HALE OBSERVATORY
PUEBLO, COLO.
JAN. 1900

HALE OBSERVATORY
PUEBLO, COLO.
JAN. 1900

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



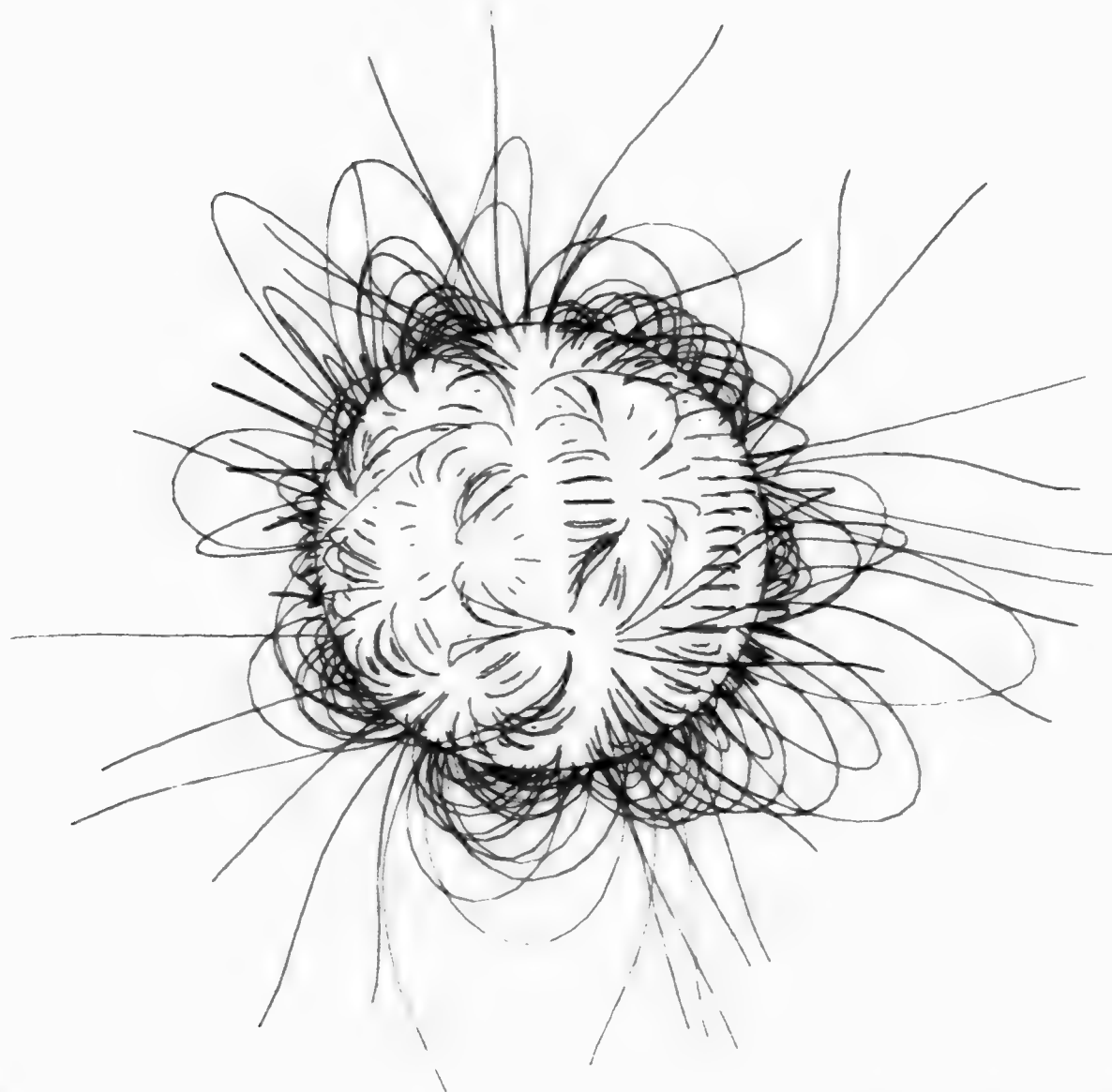
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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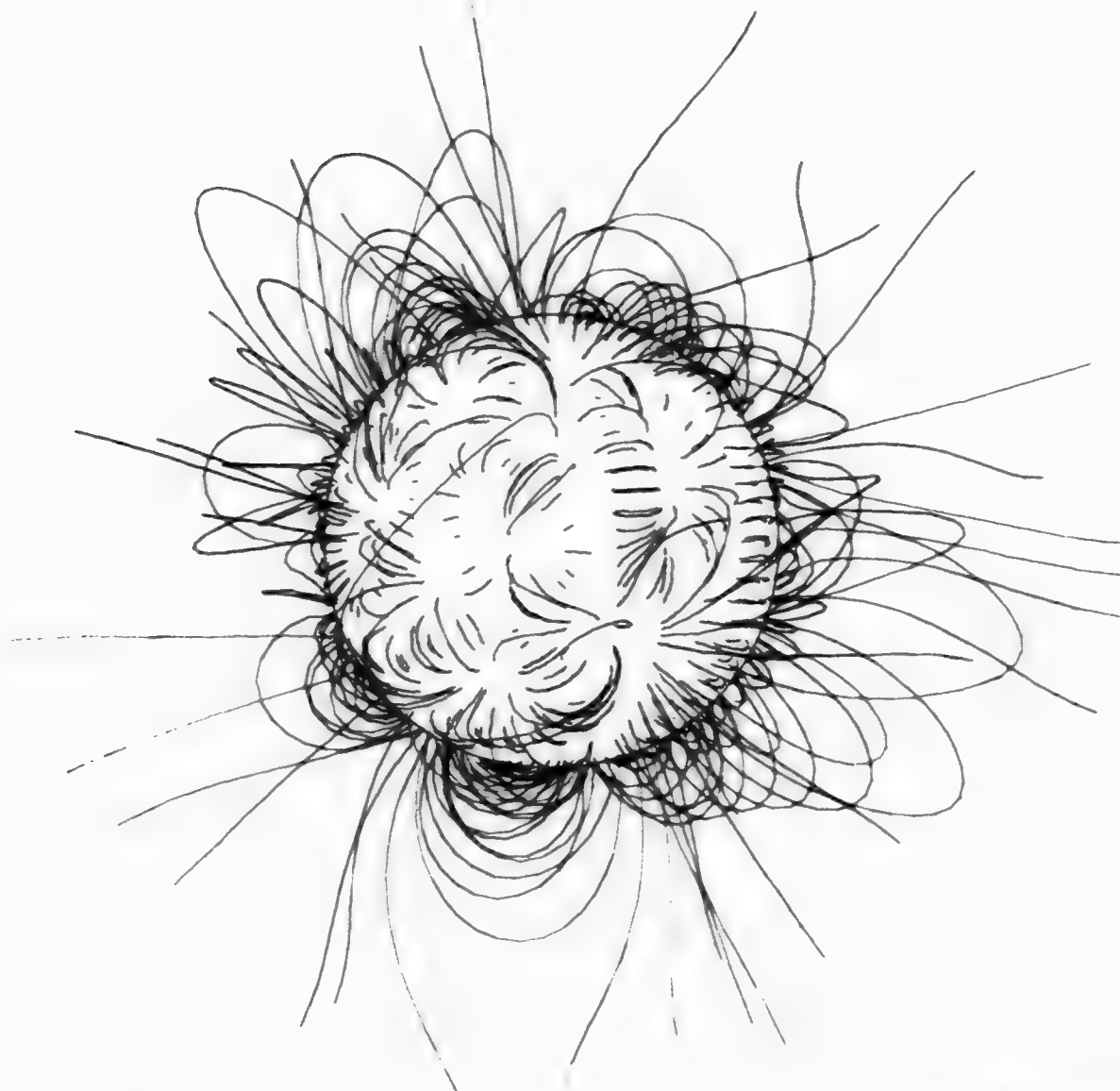
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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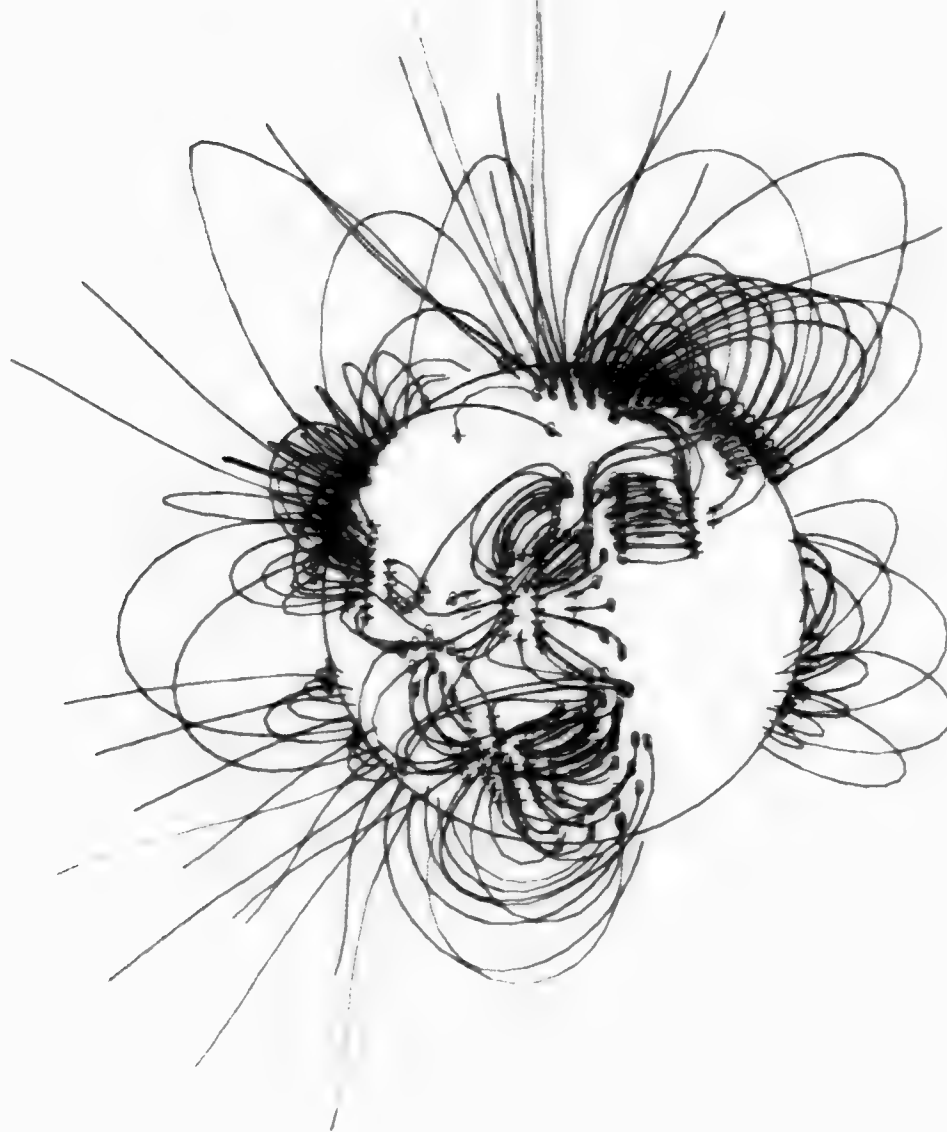
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HALE OBSERVATIONS
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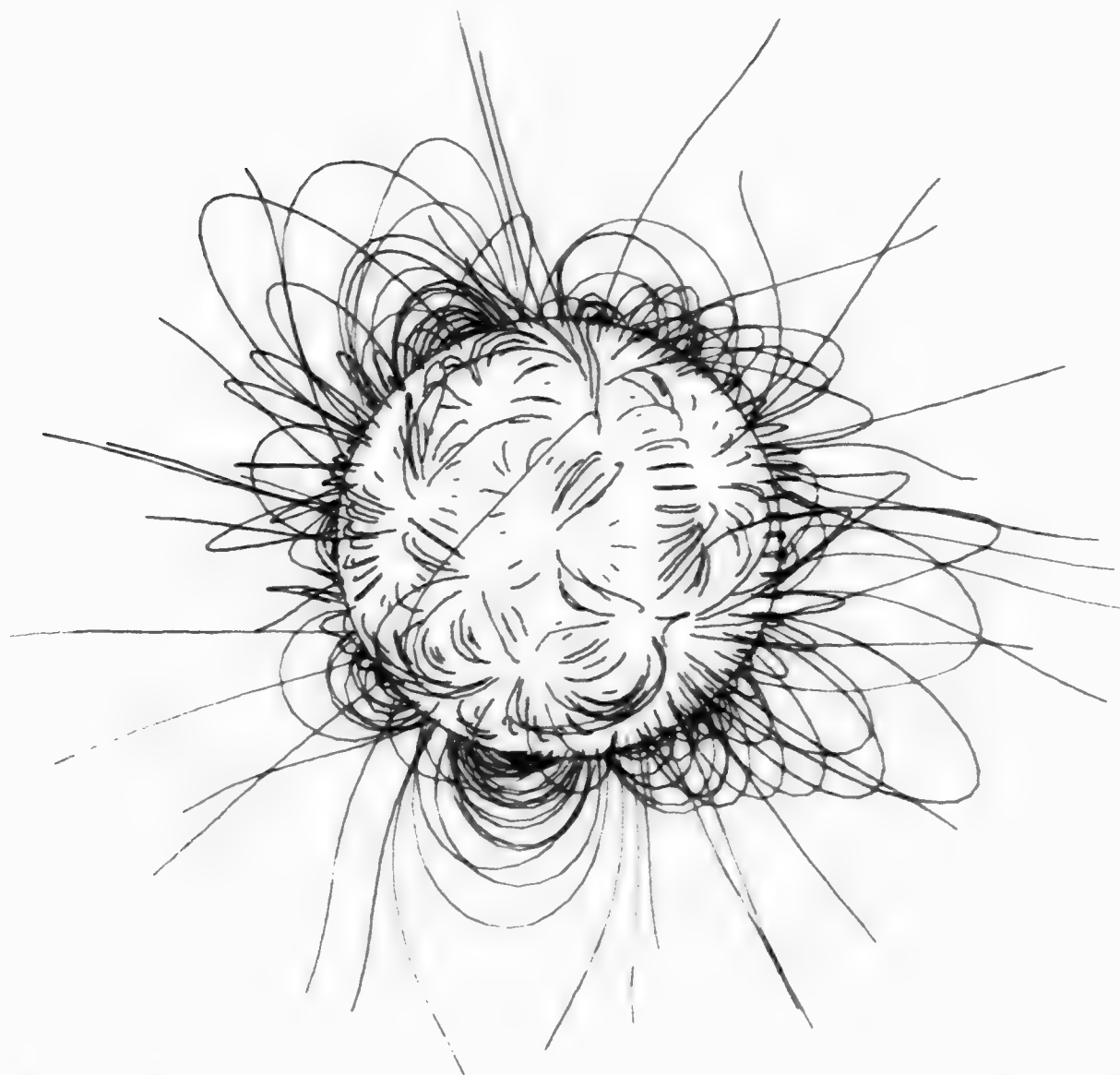
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



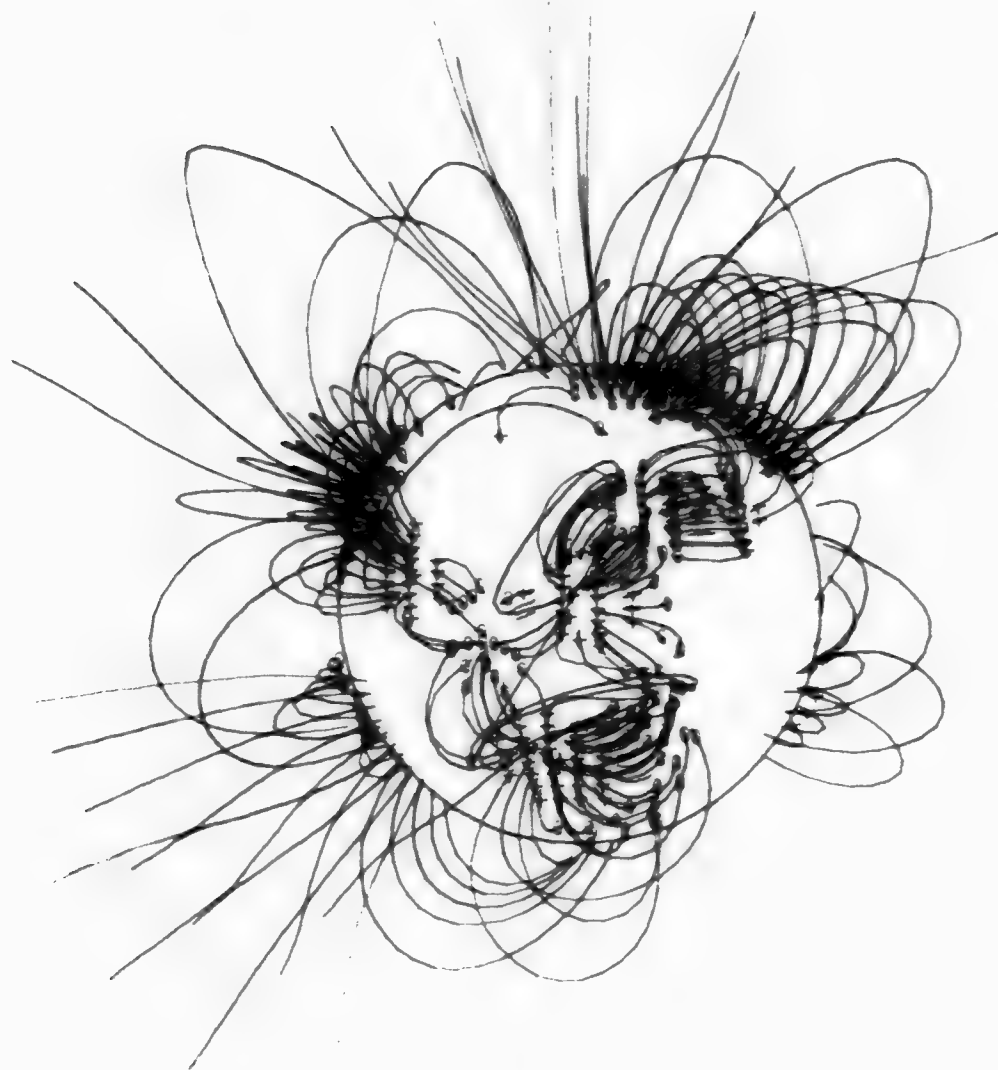
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HALE OBSERVATORIES

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



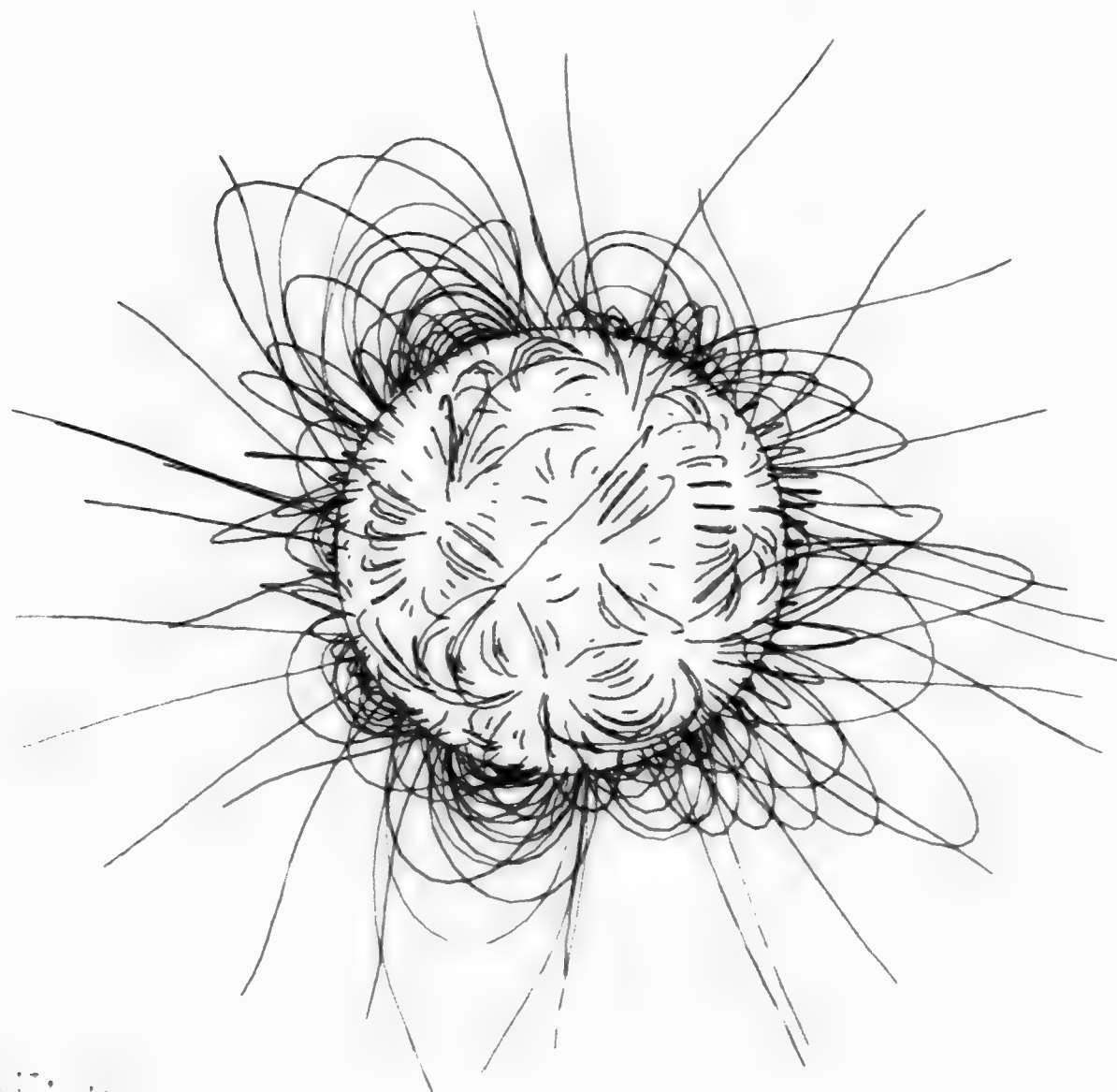
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUEBLO, COLORADO
1919-1920

HALE OBSERVATORY
PUEBLO, COLORADO
1919-1920

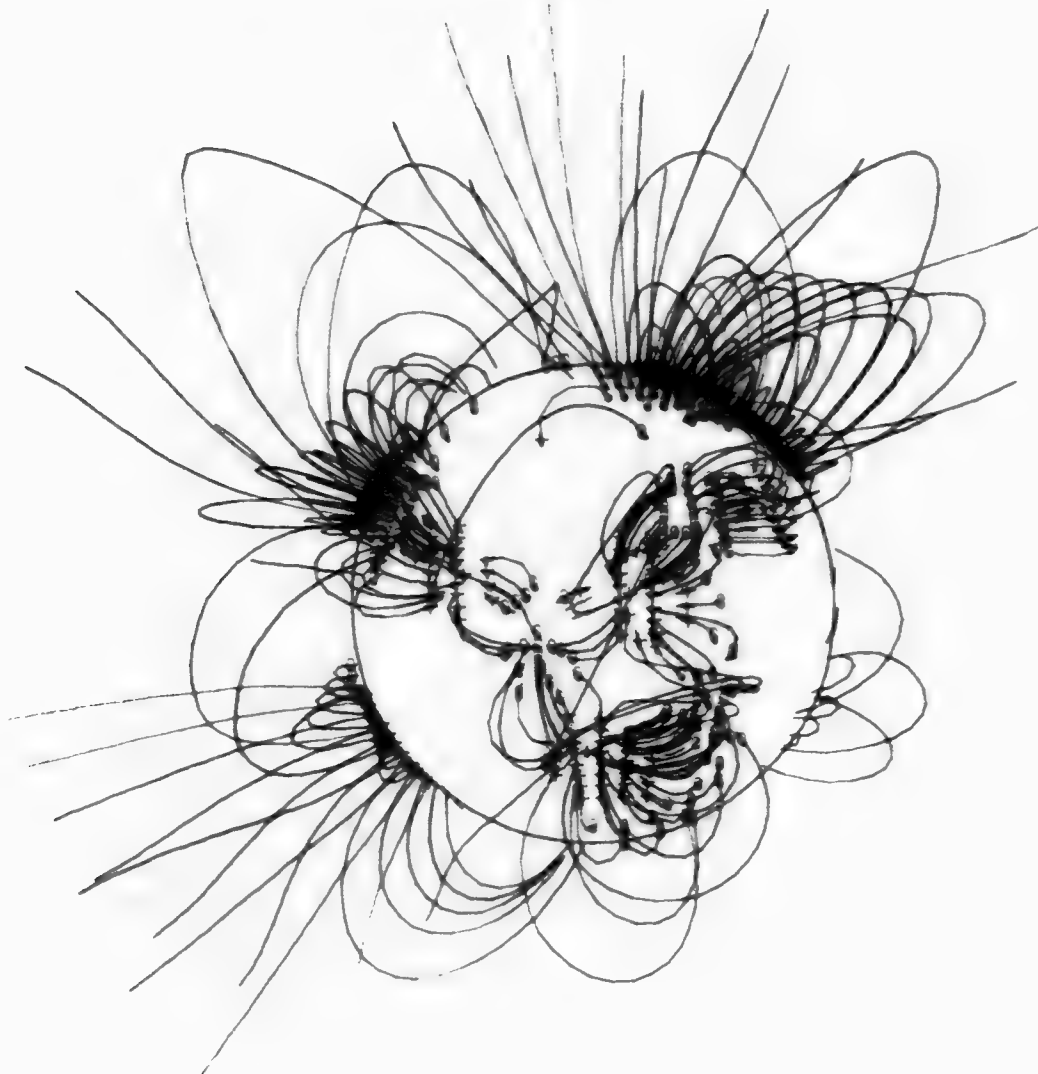
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



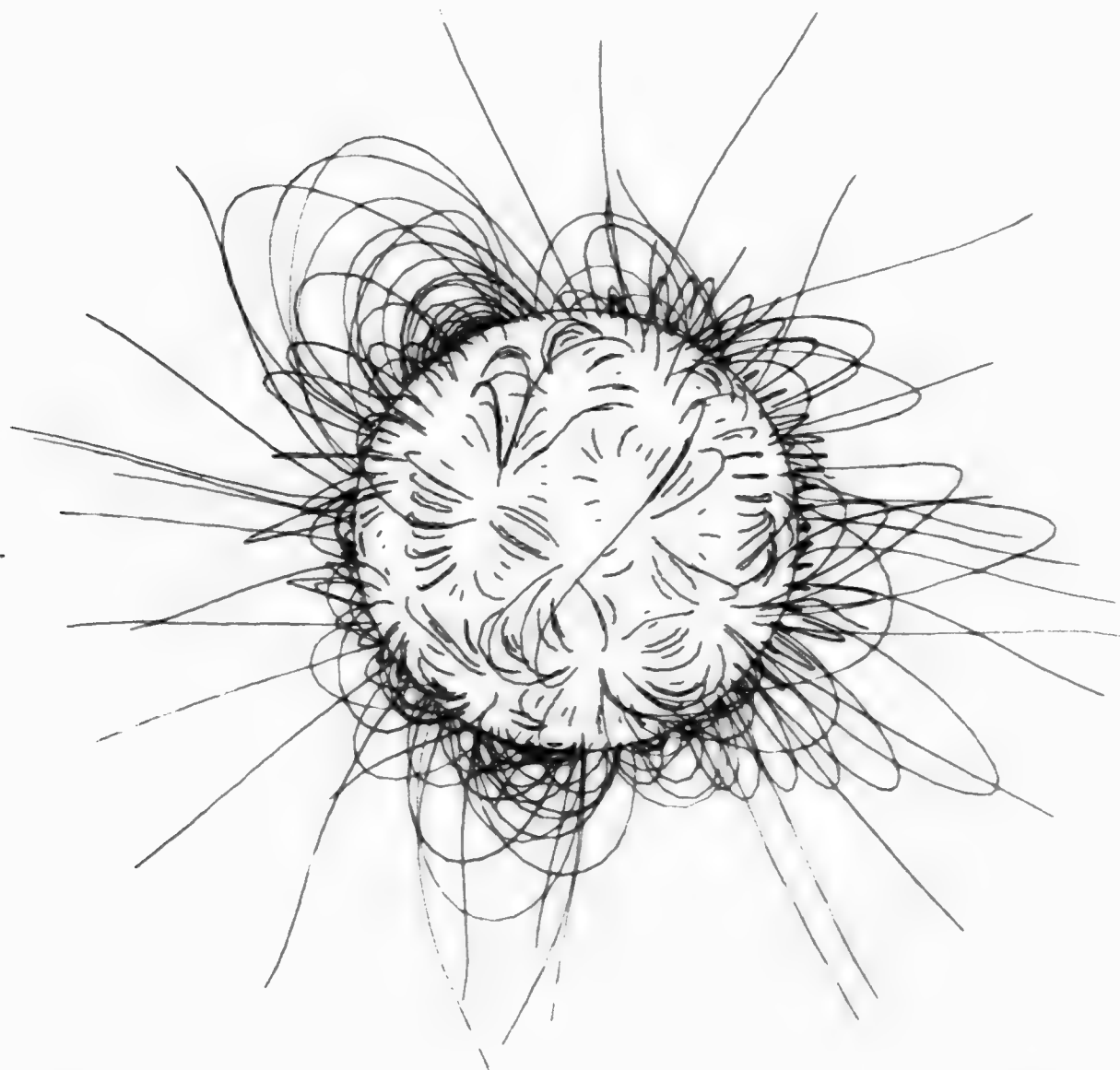
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

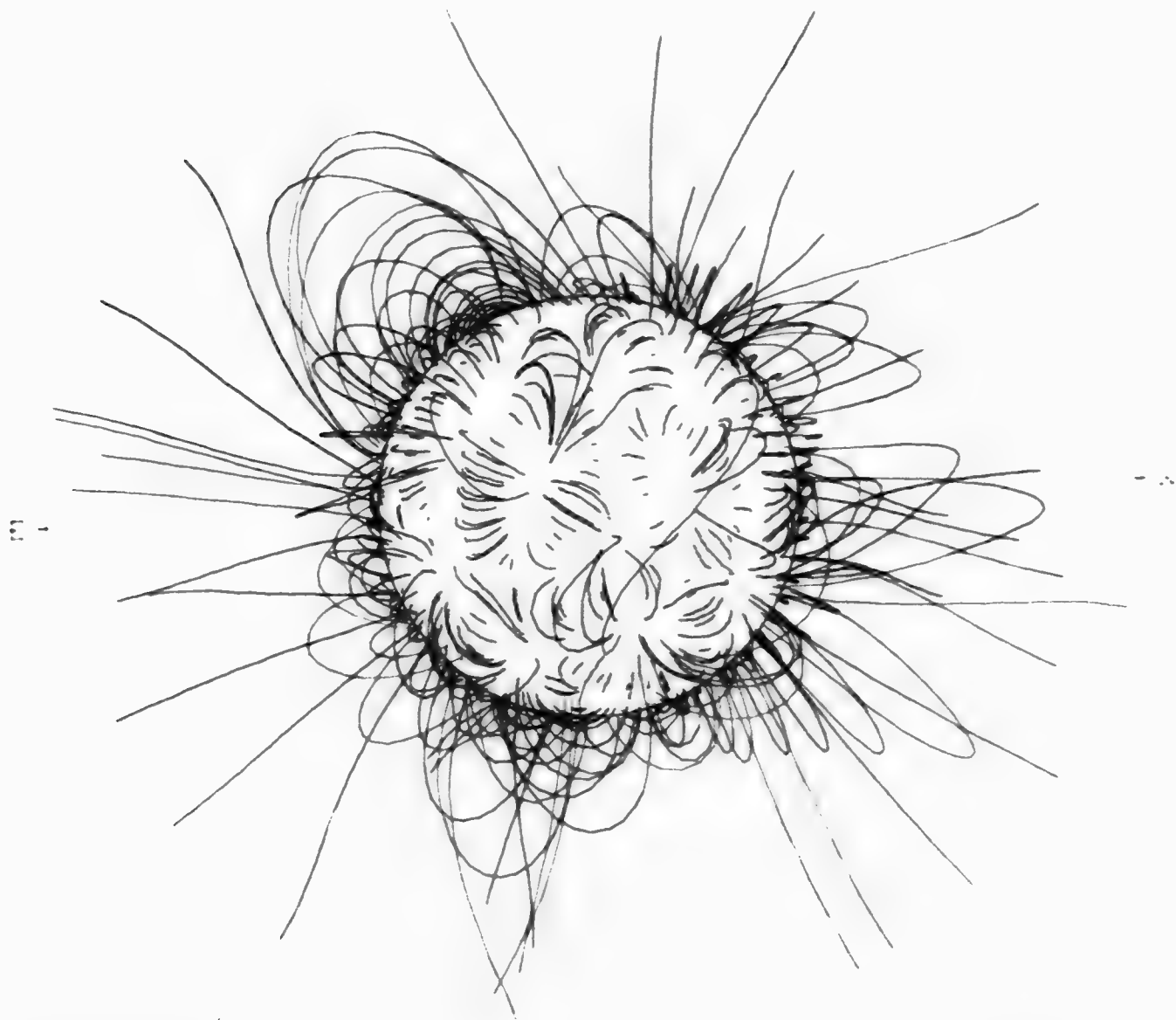
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
1954

HALE OBSERVATORY
HAWAII
1954

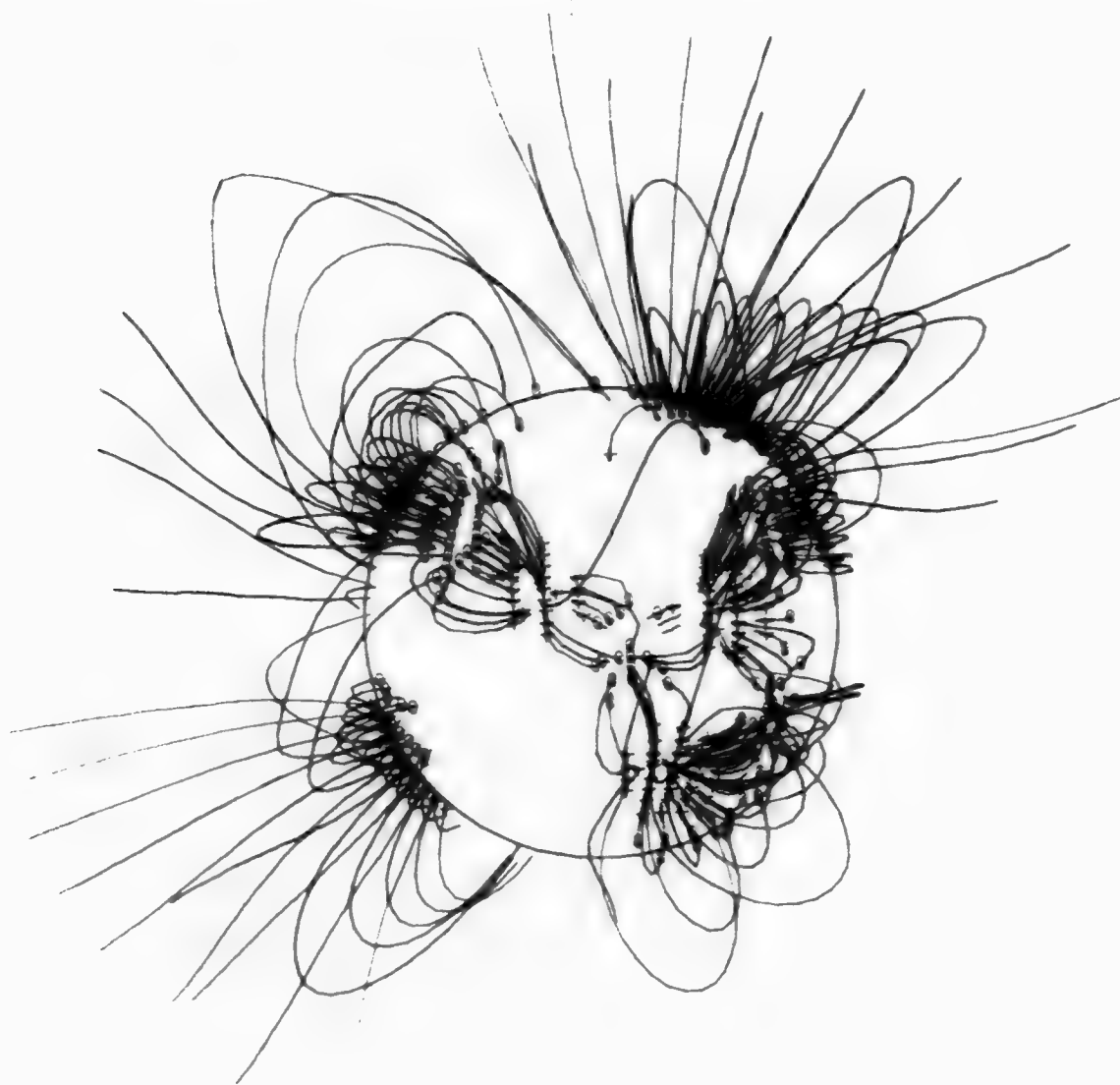
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



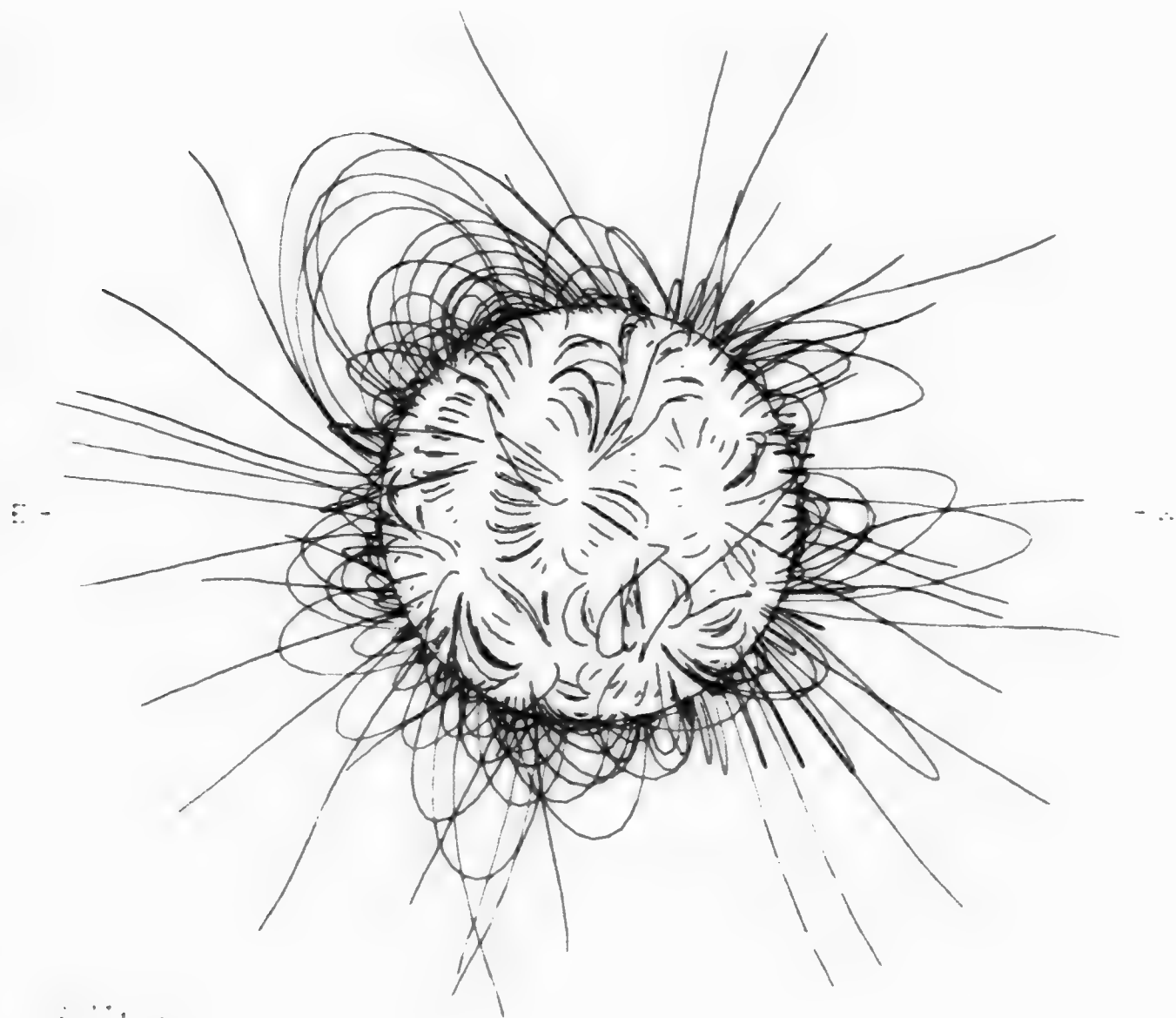
HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



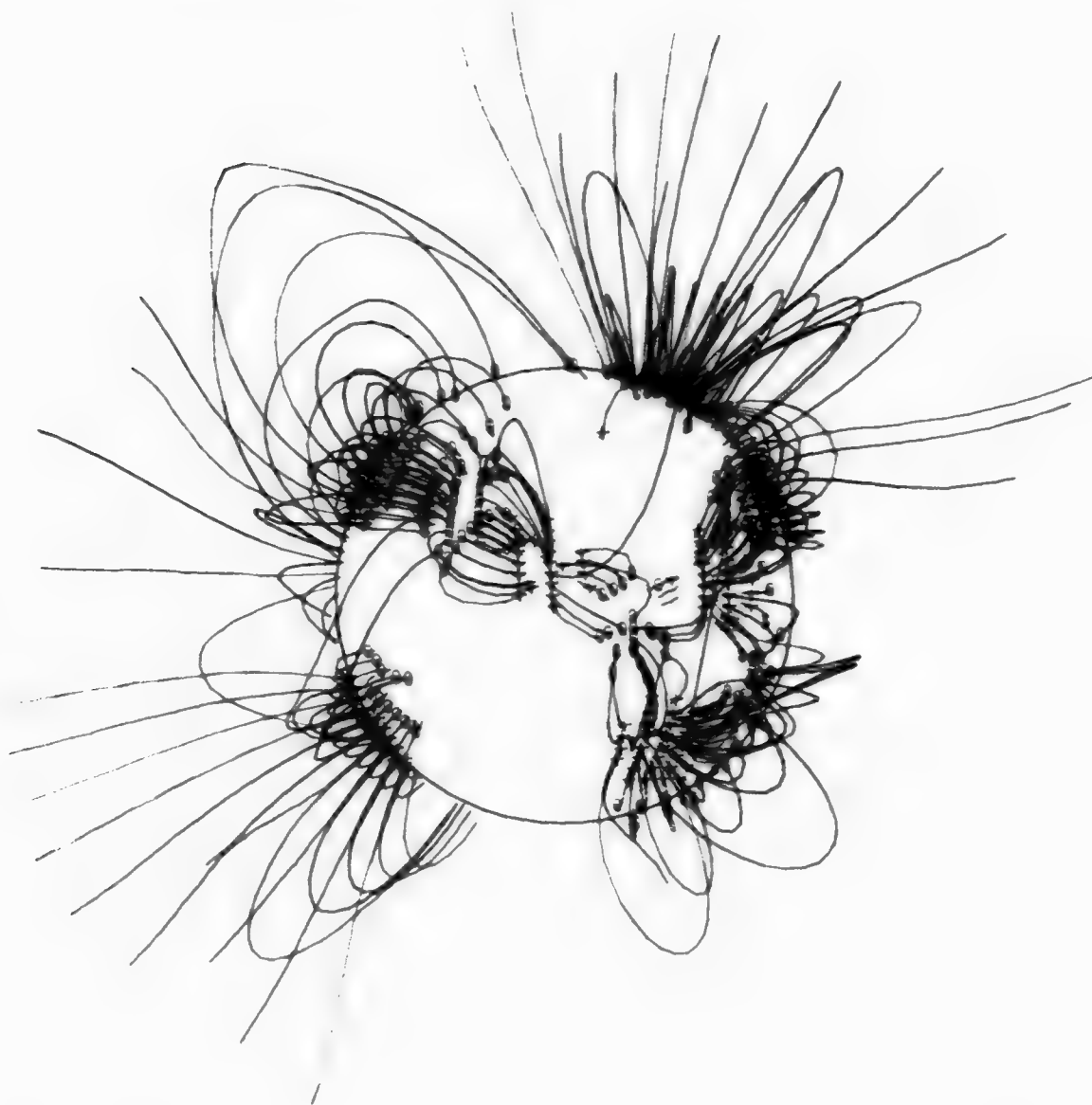
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



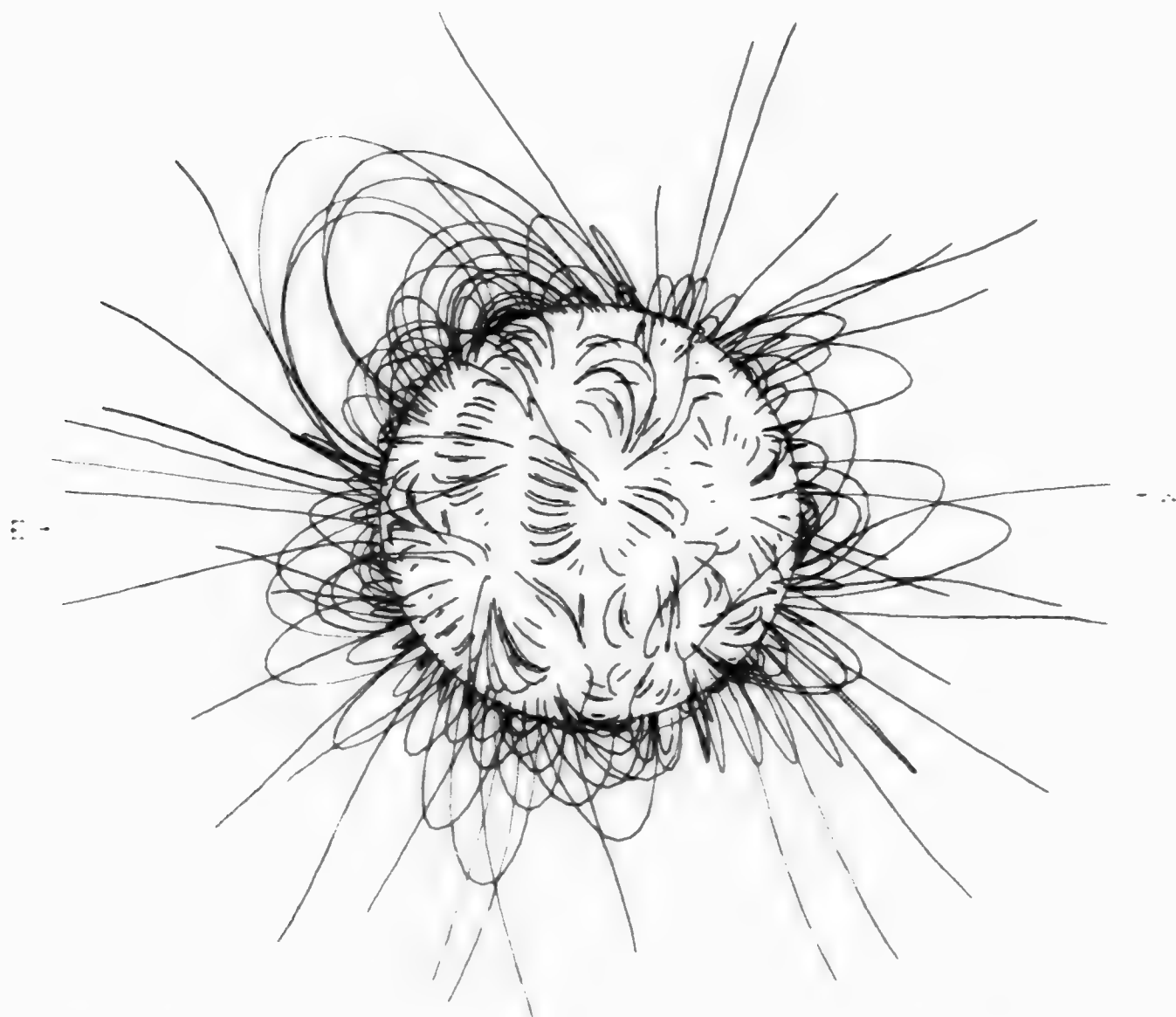
HALE OBSERVATORY
1917-1918
AT MOUNT WILSON

HALE OBSERVATORY
1917-1918
AT MOUNT WILSON

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



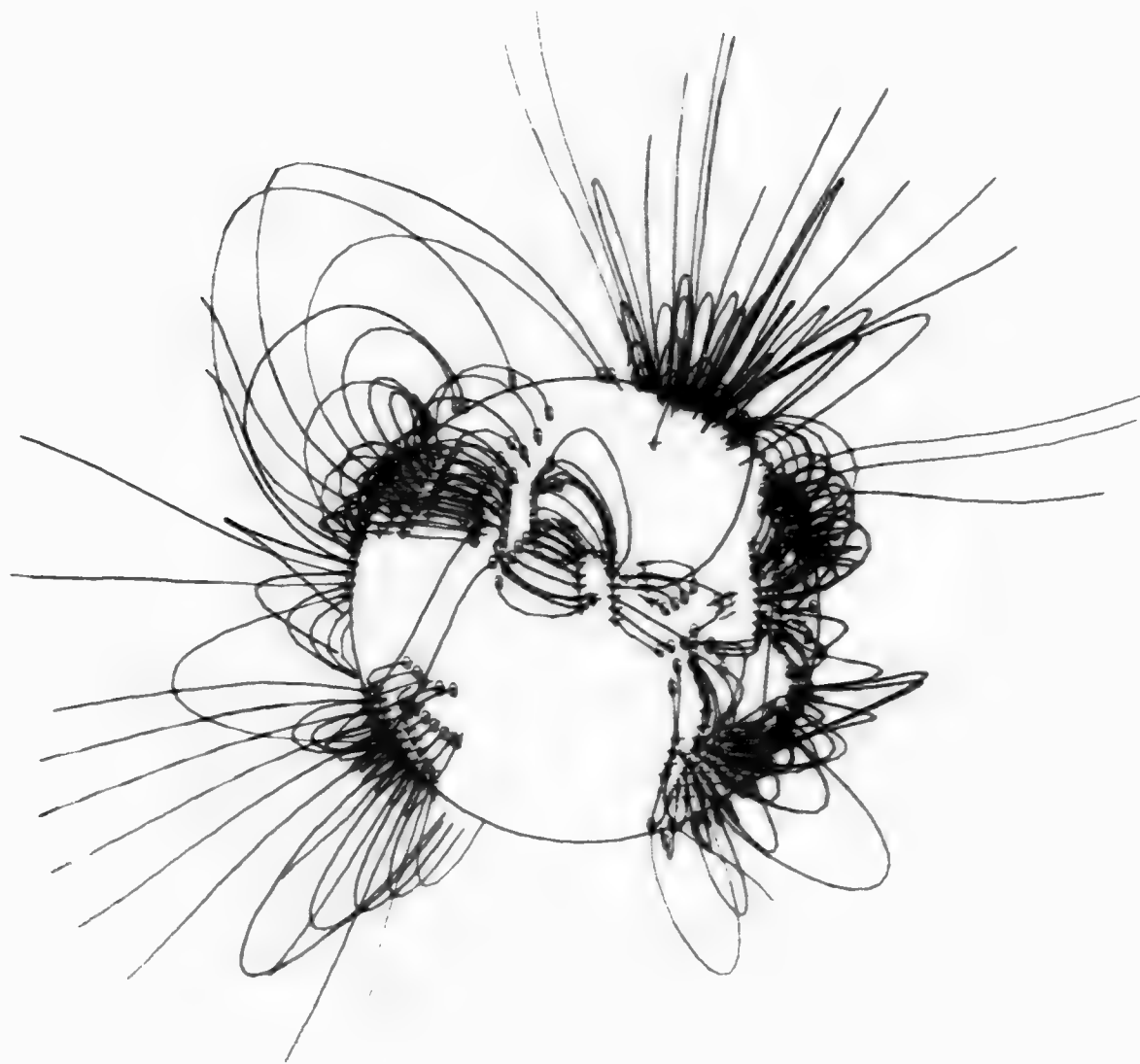
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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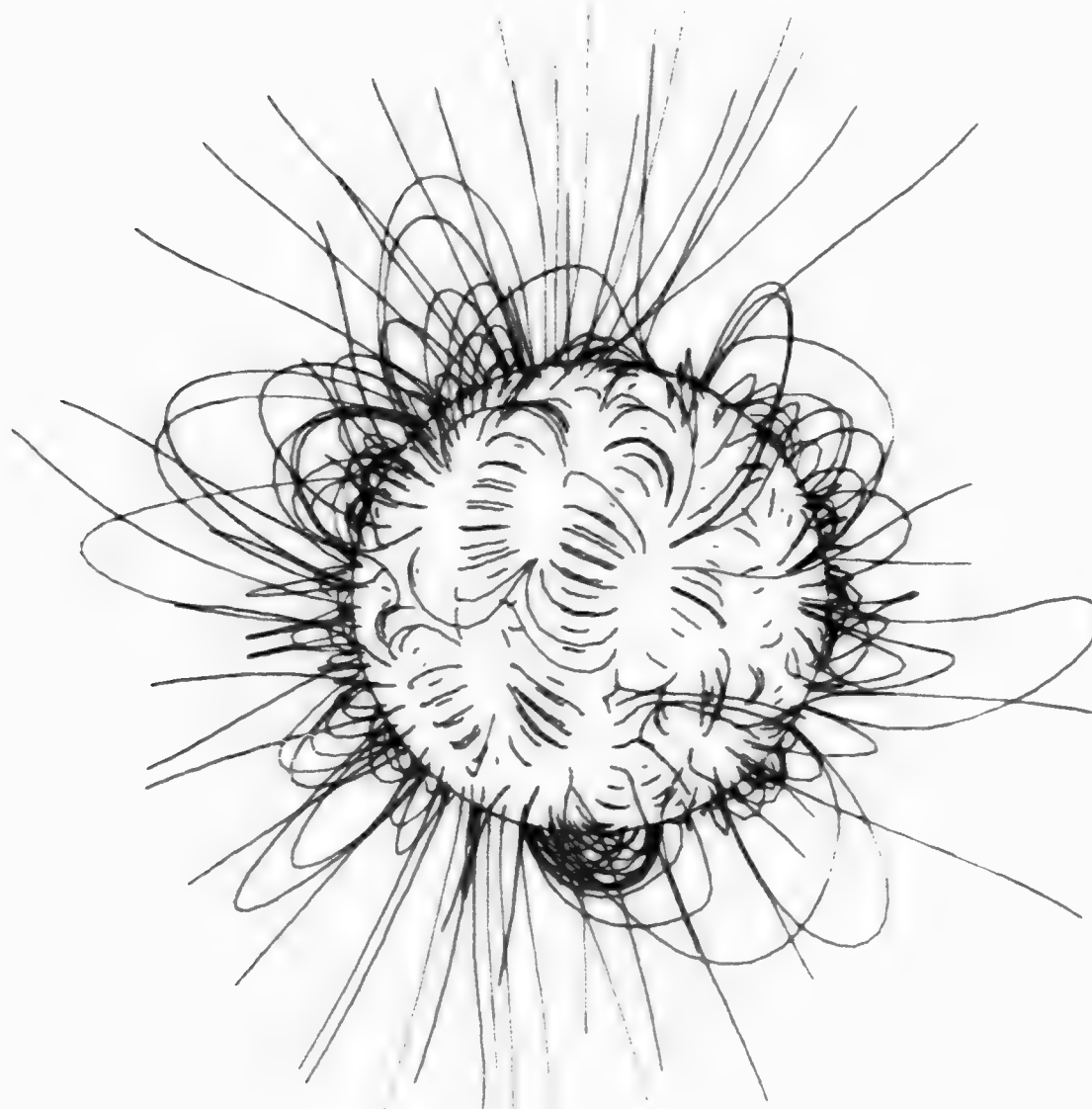
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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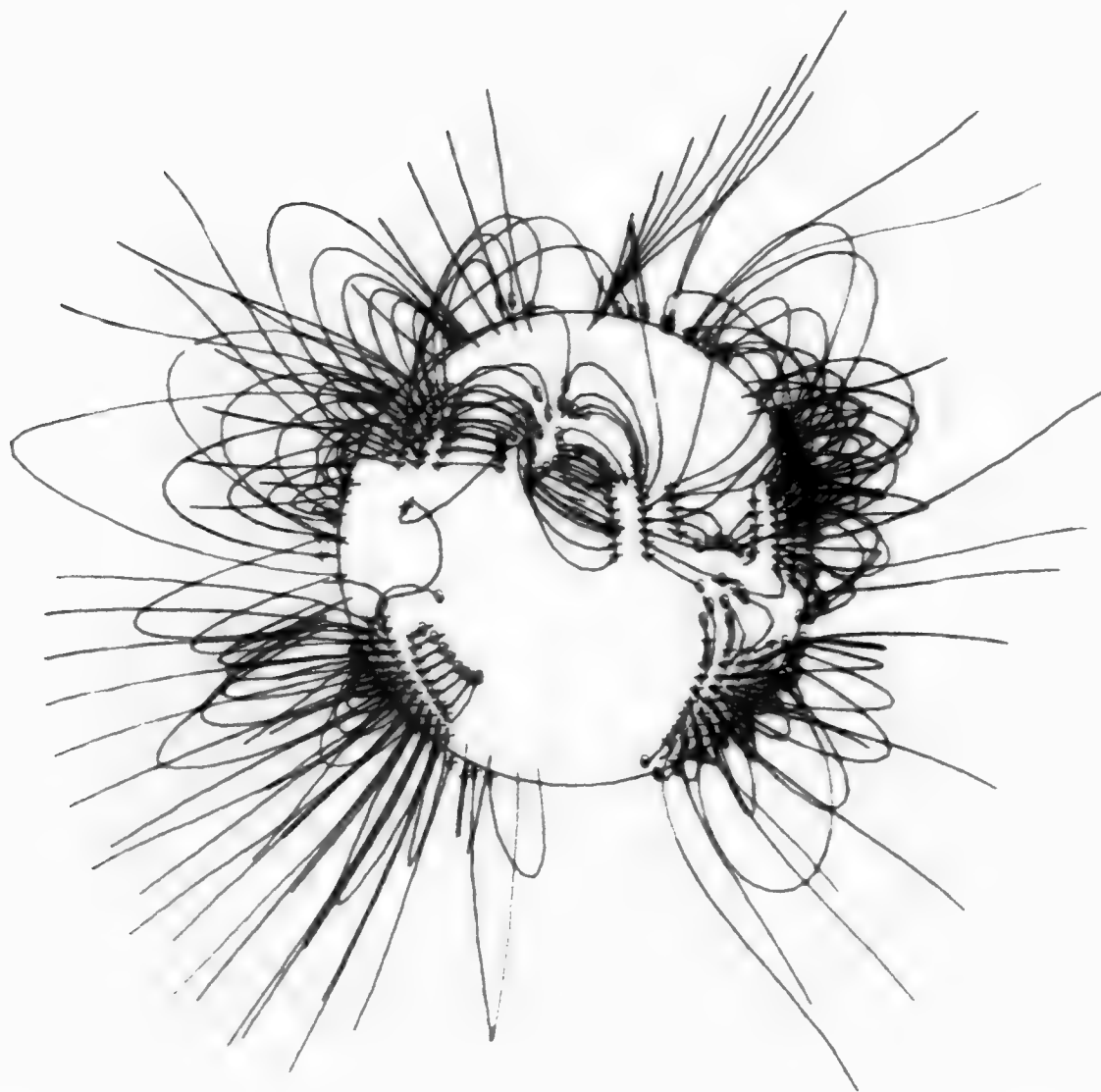
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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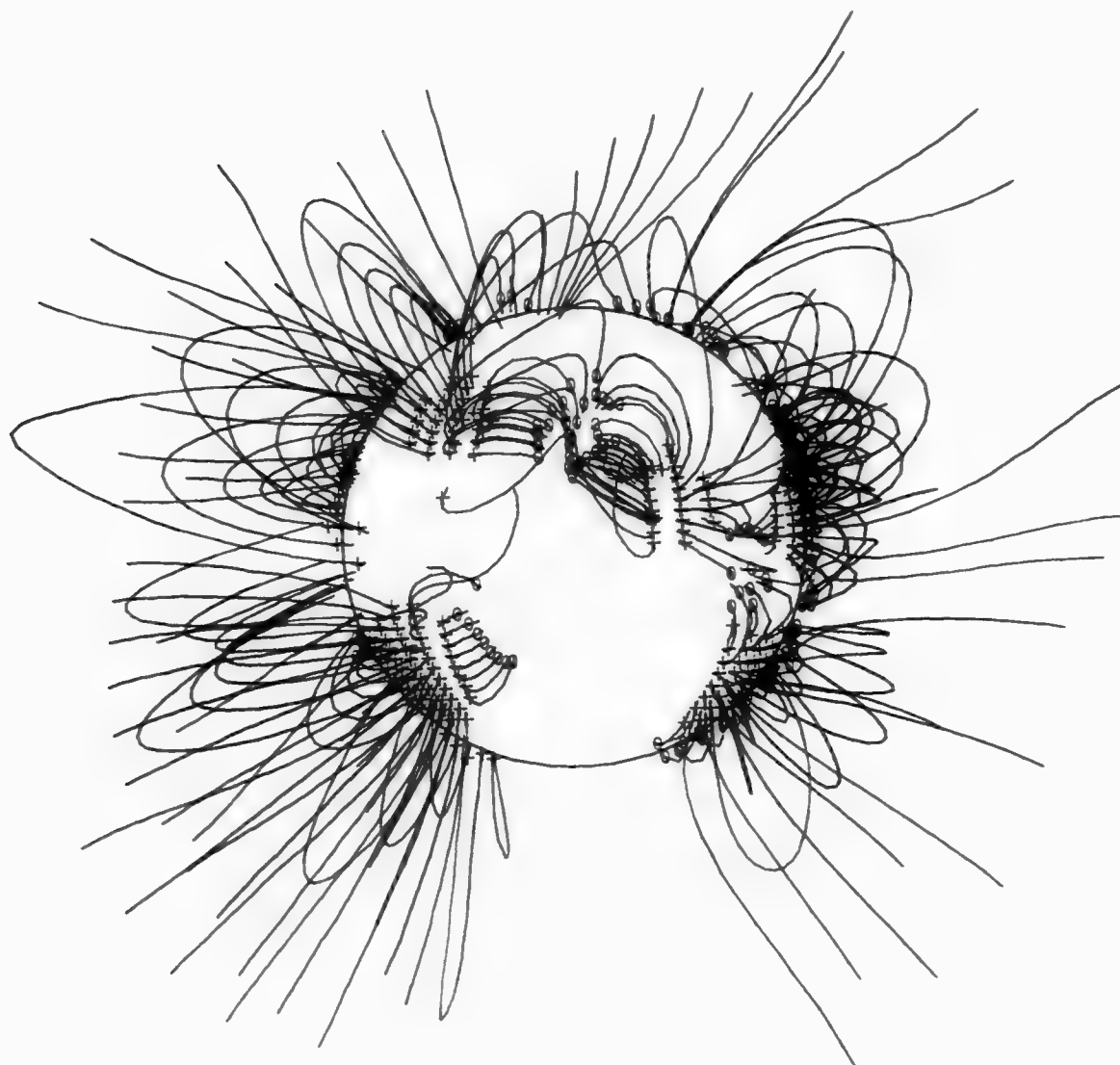
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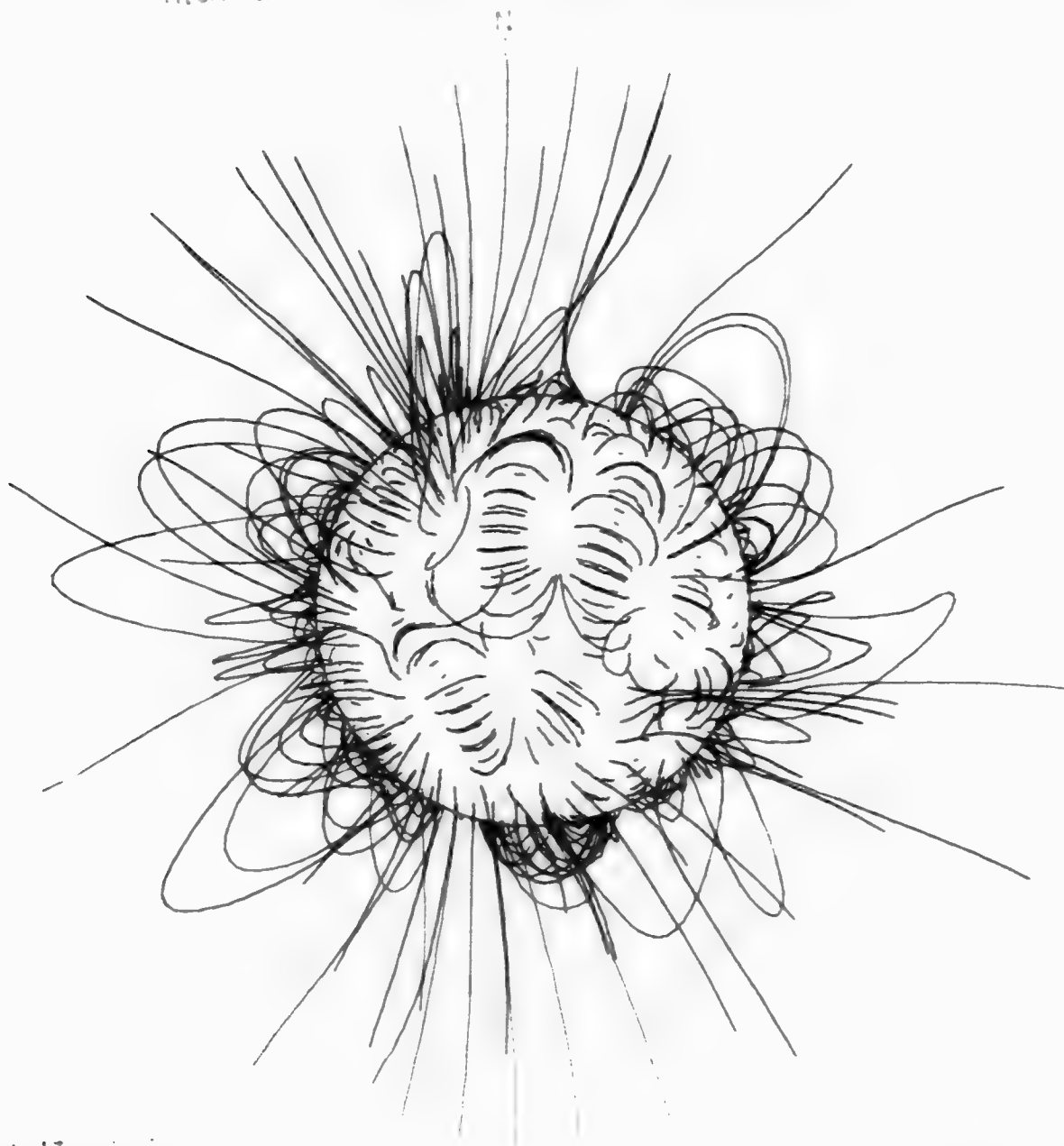


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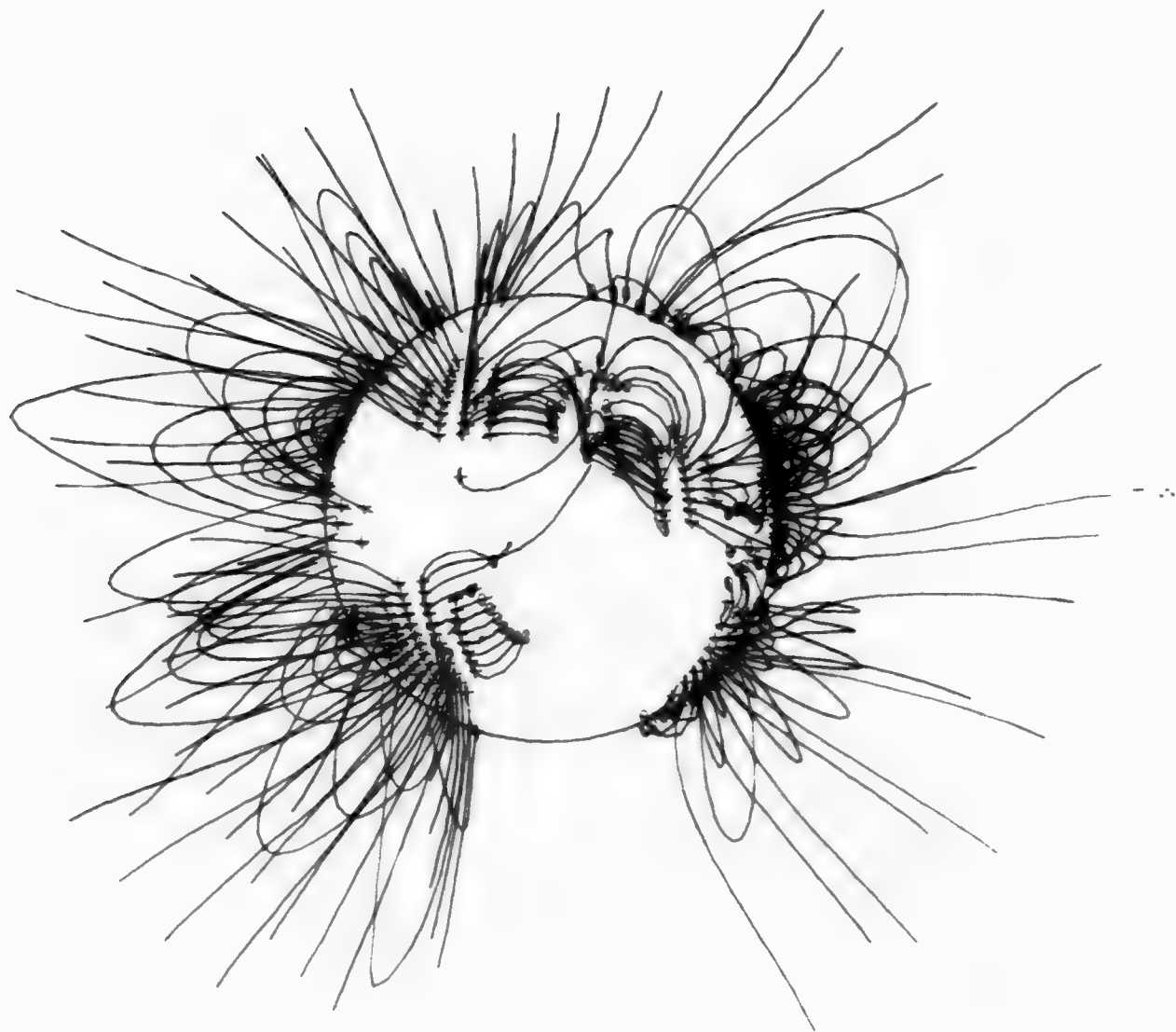
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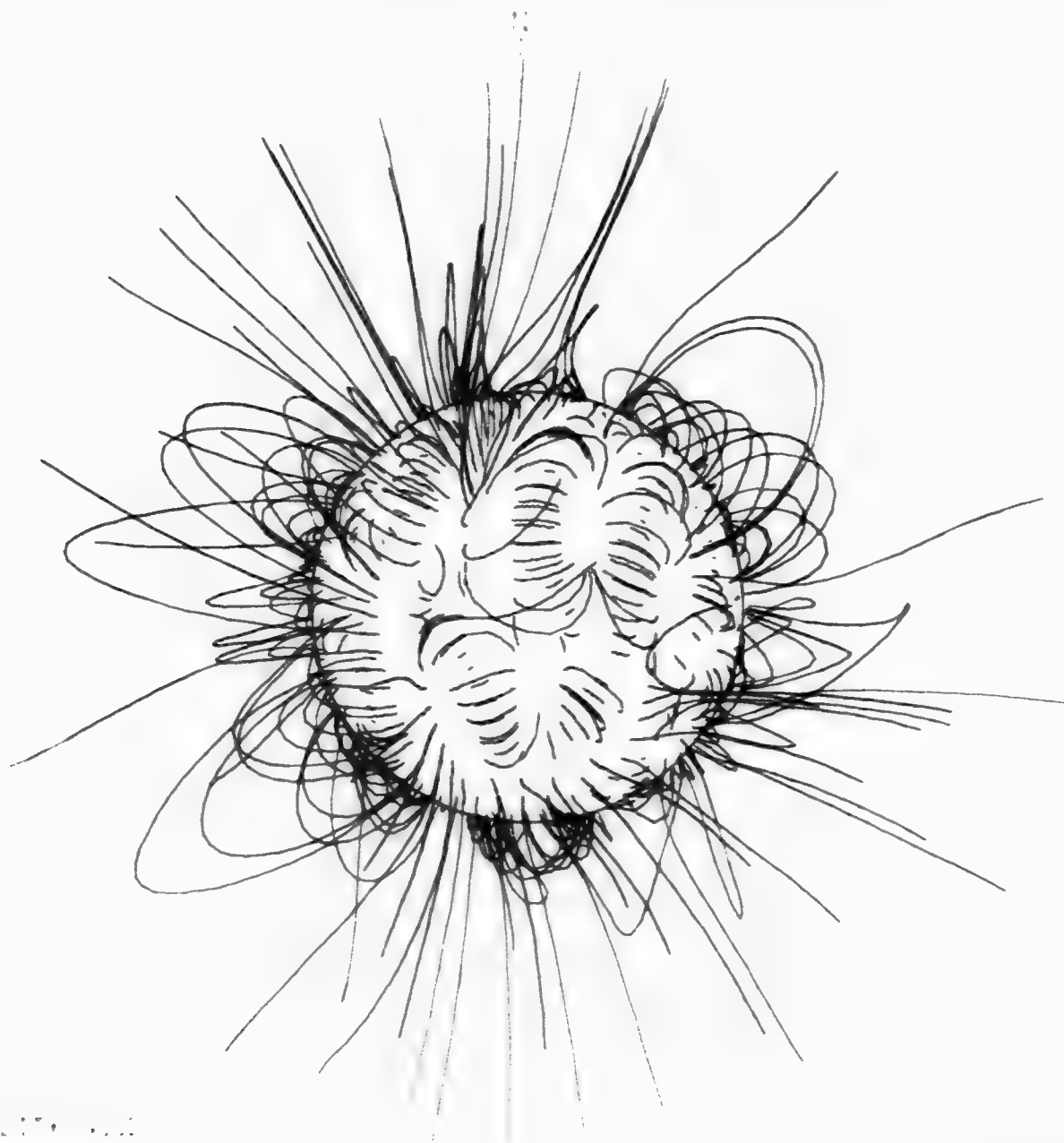
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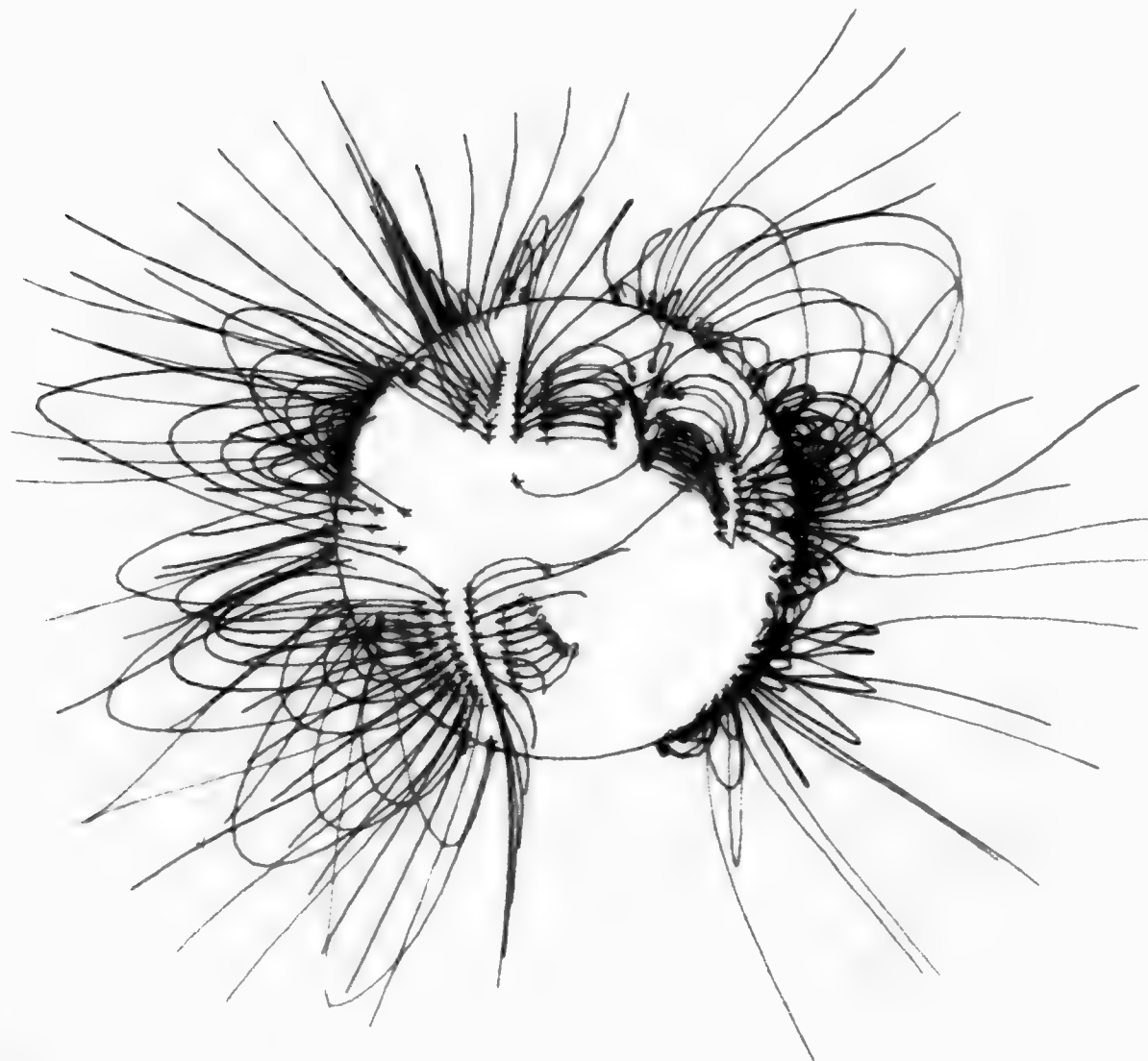
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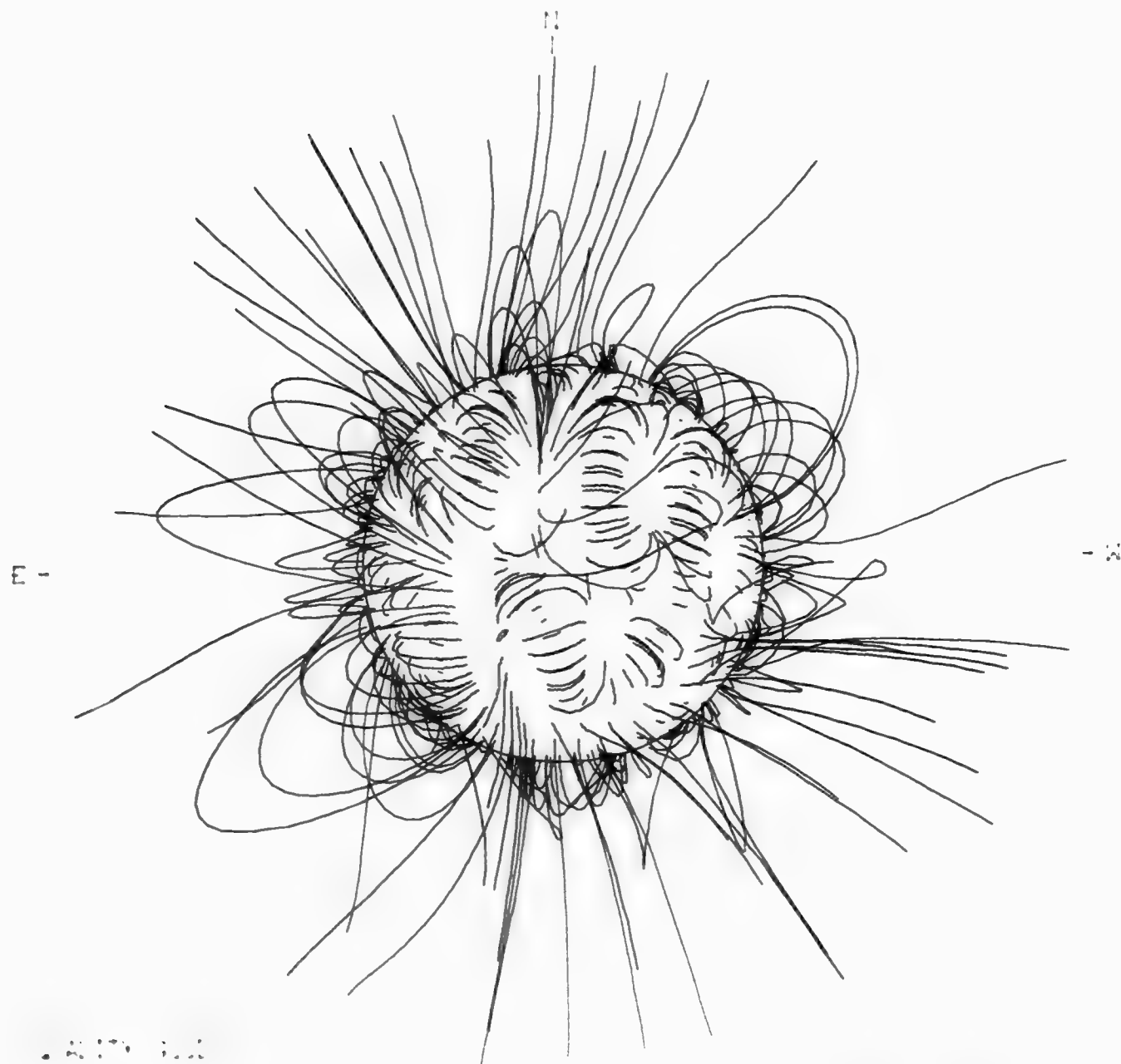
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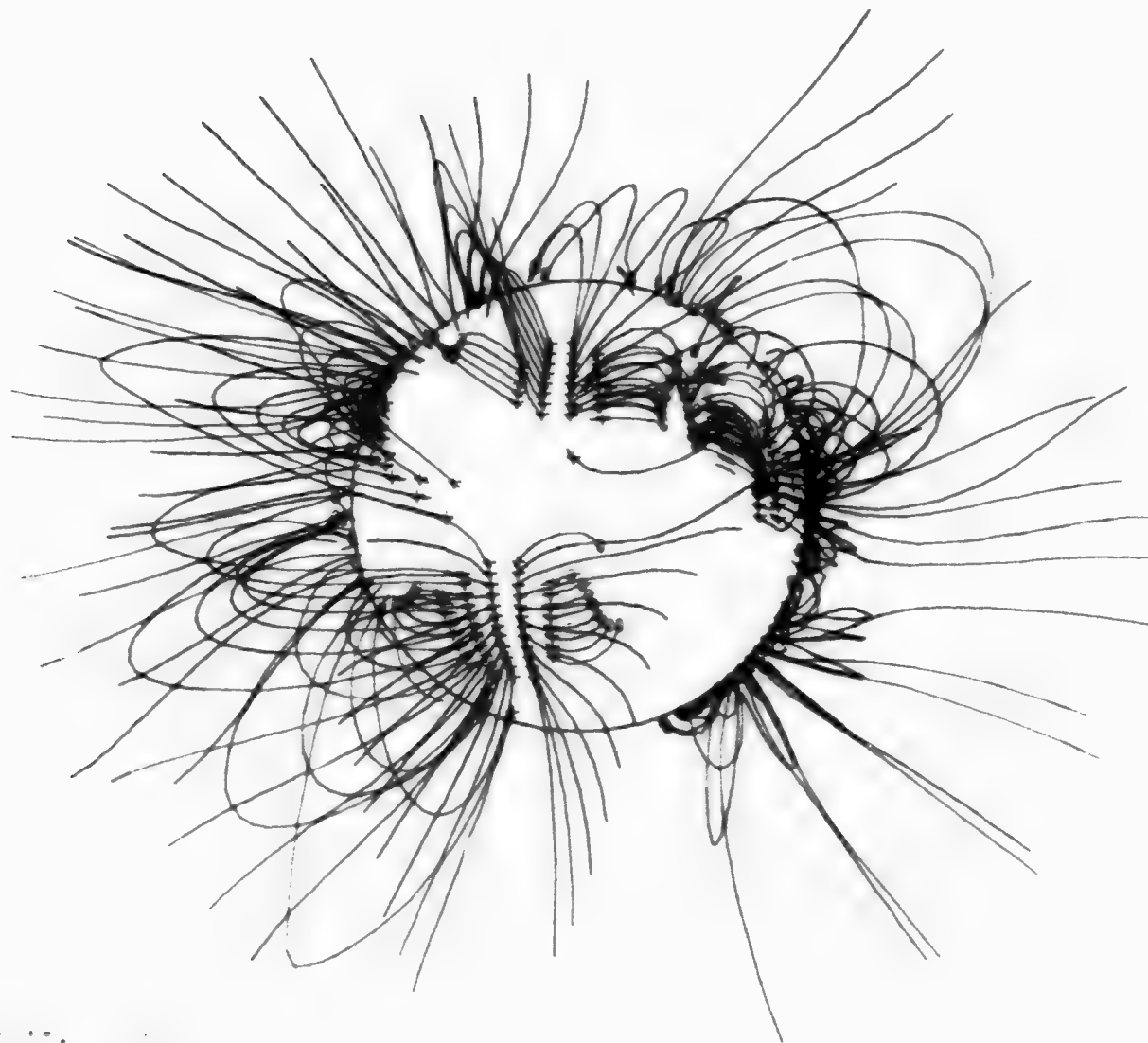


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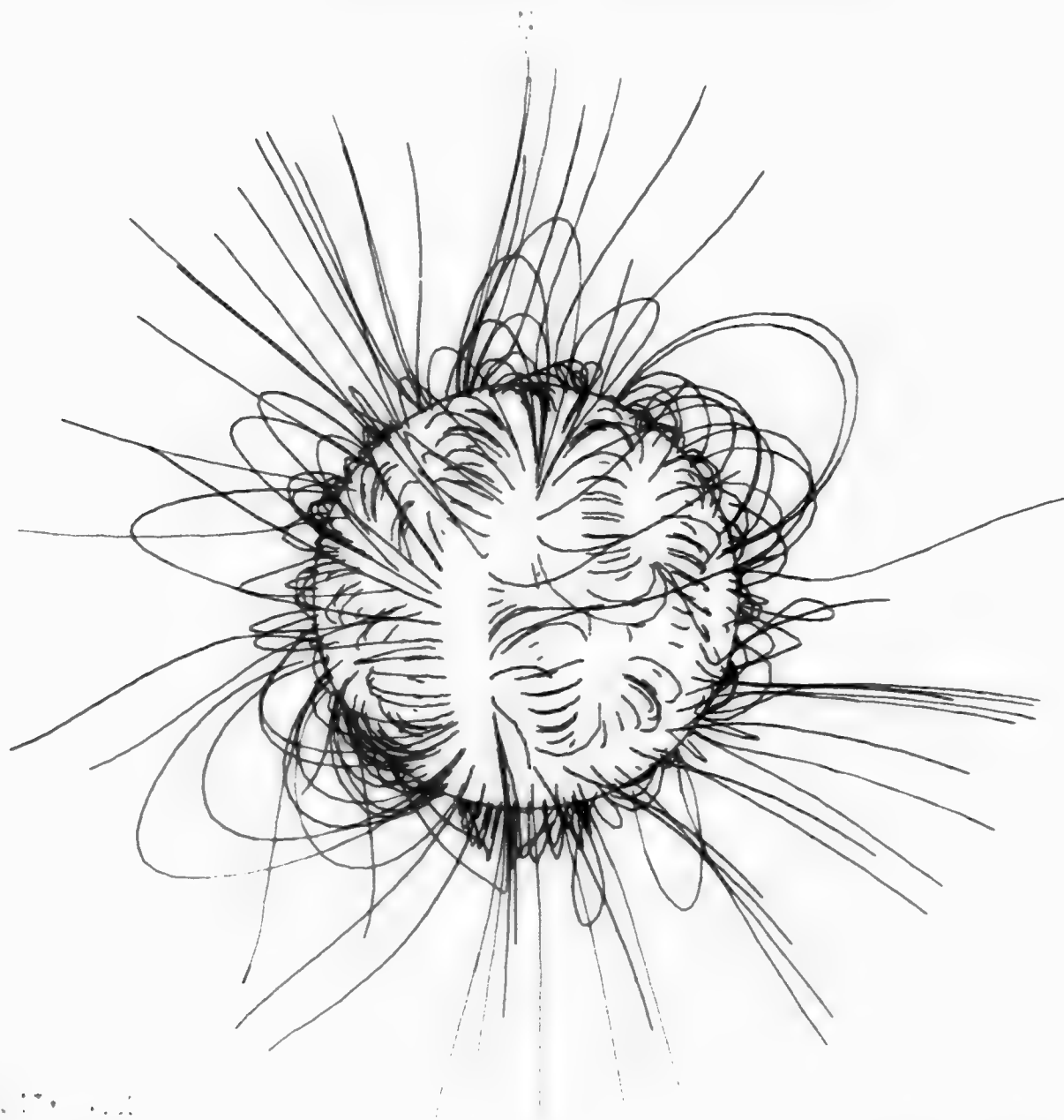
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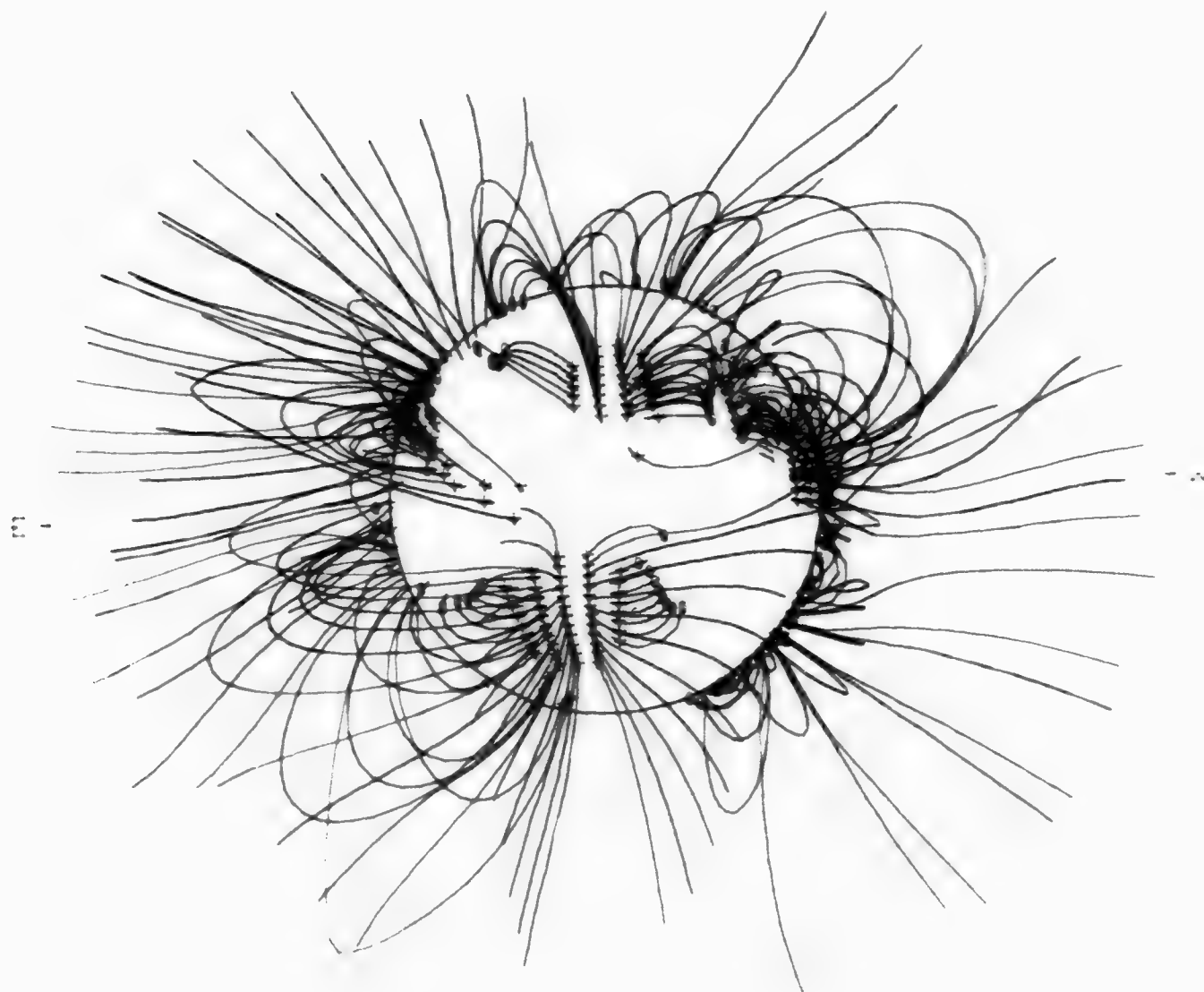
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HALE OBSERVATORY
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CALIFORNIA

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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

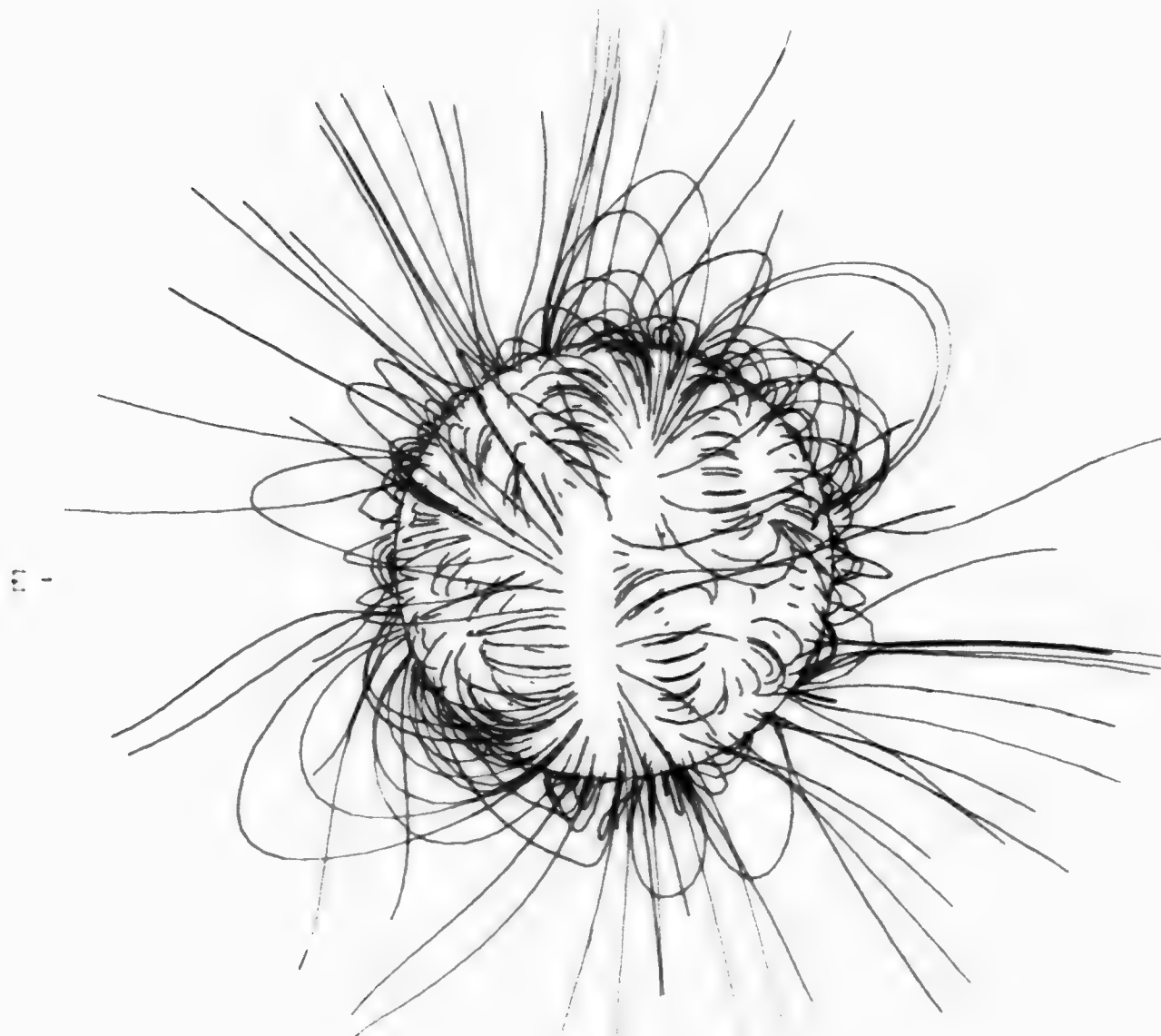


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Journal of Management Education 30(6)

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

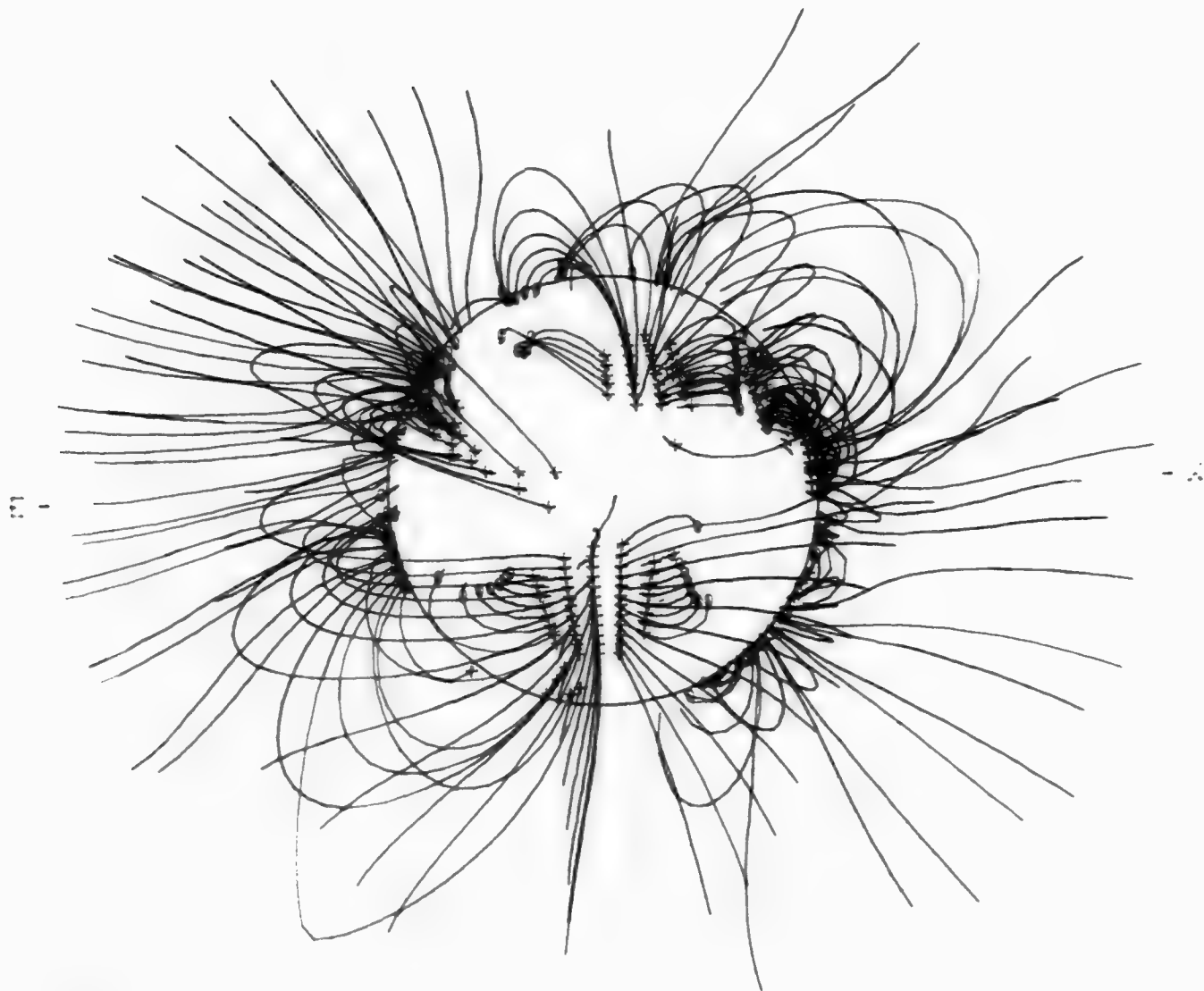
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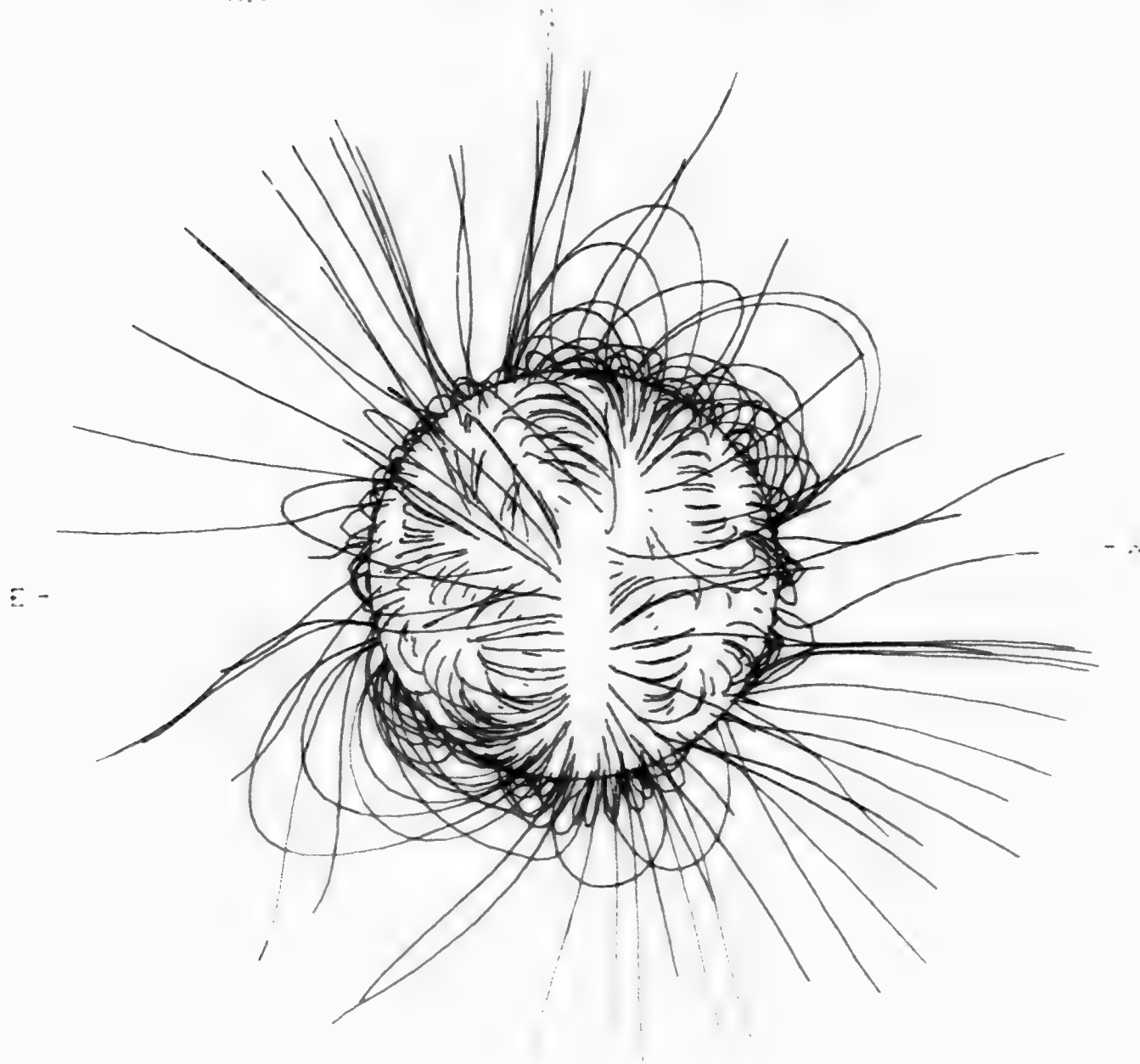
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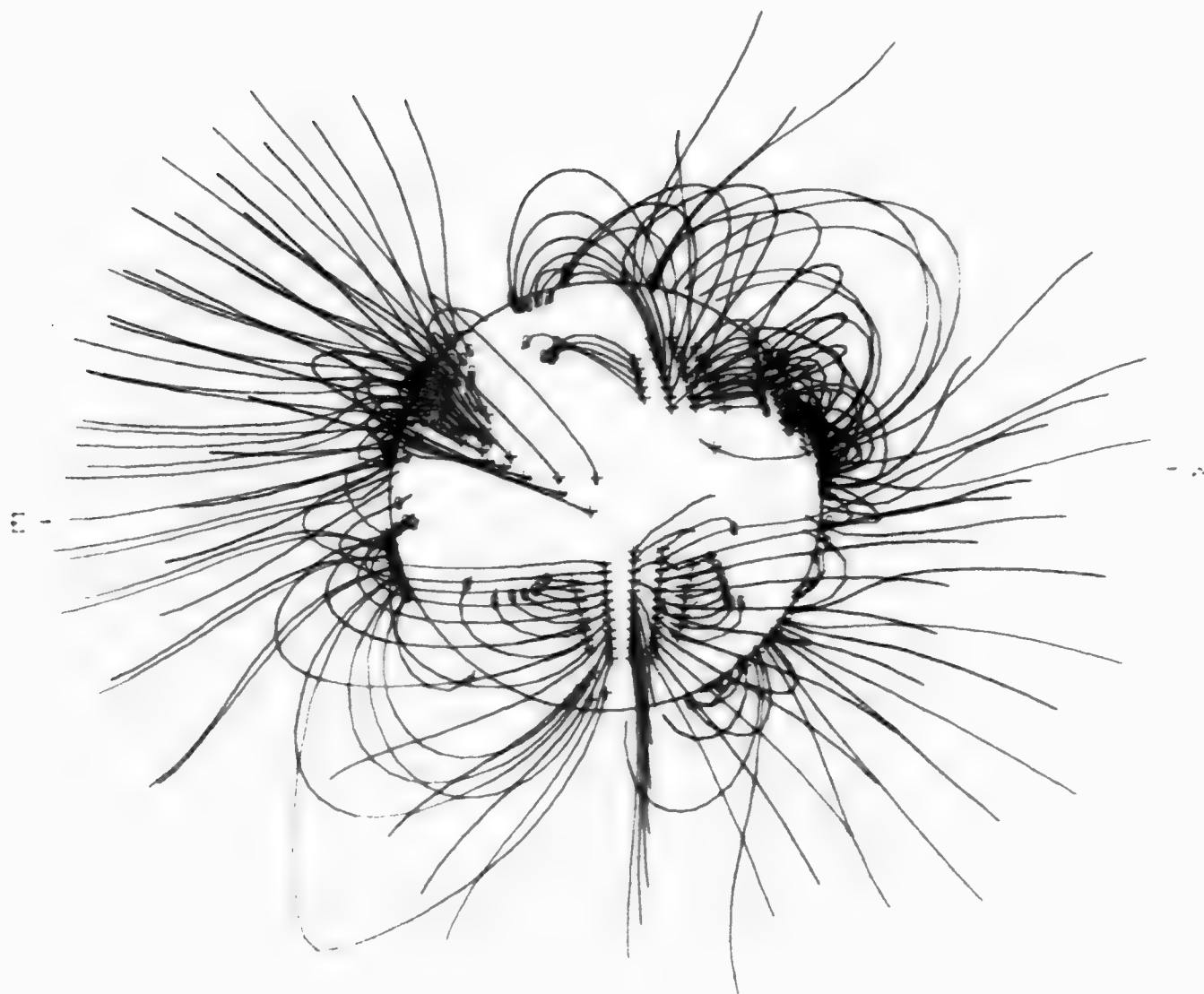
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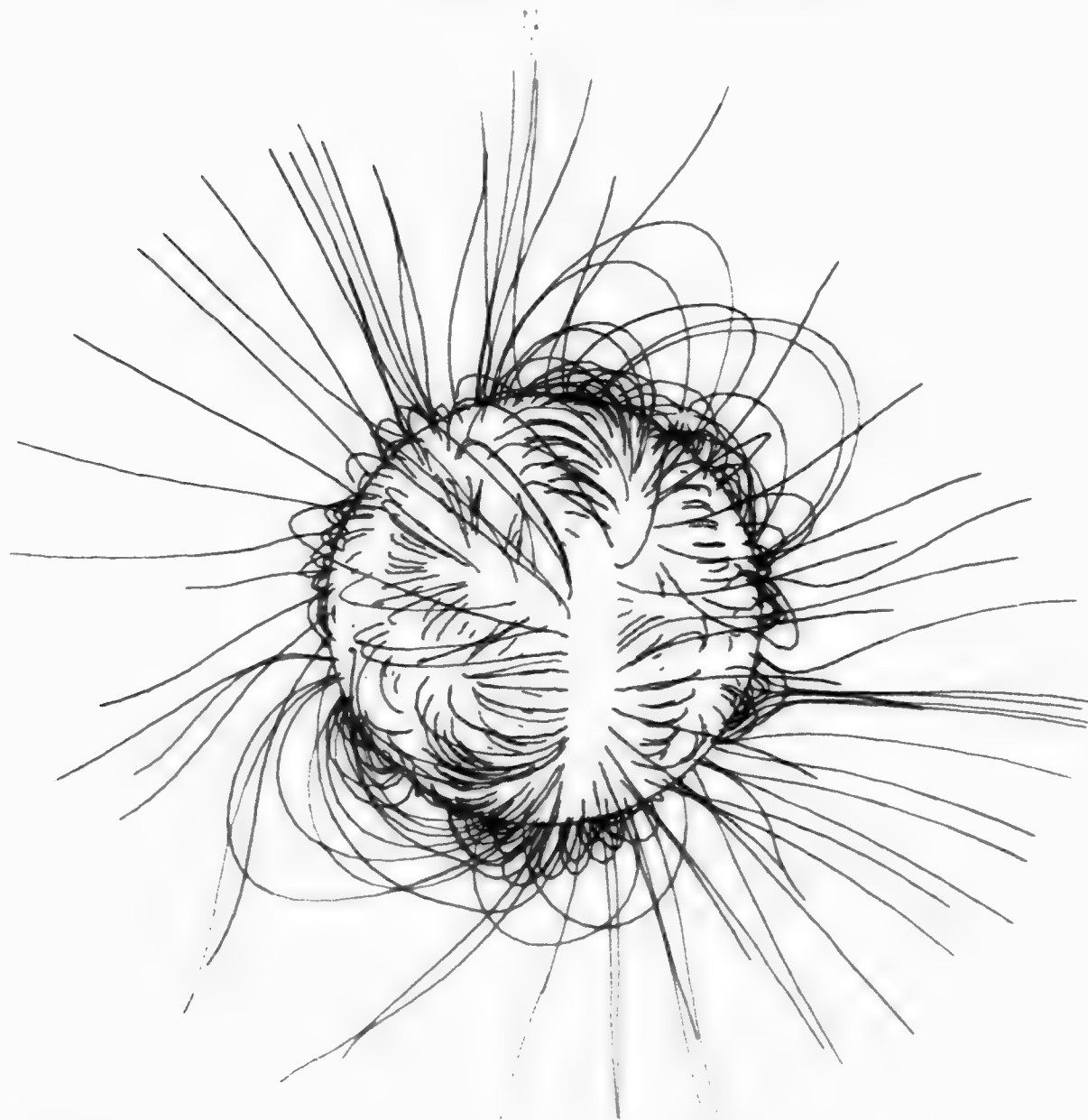
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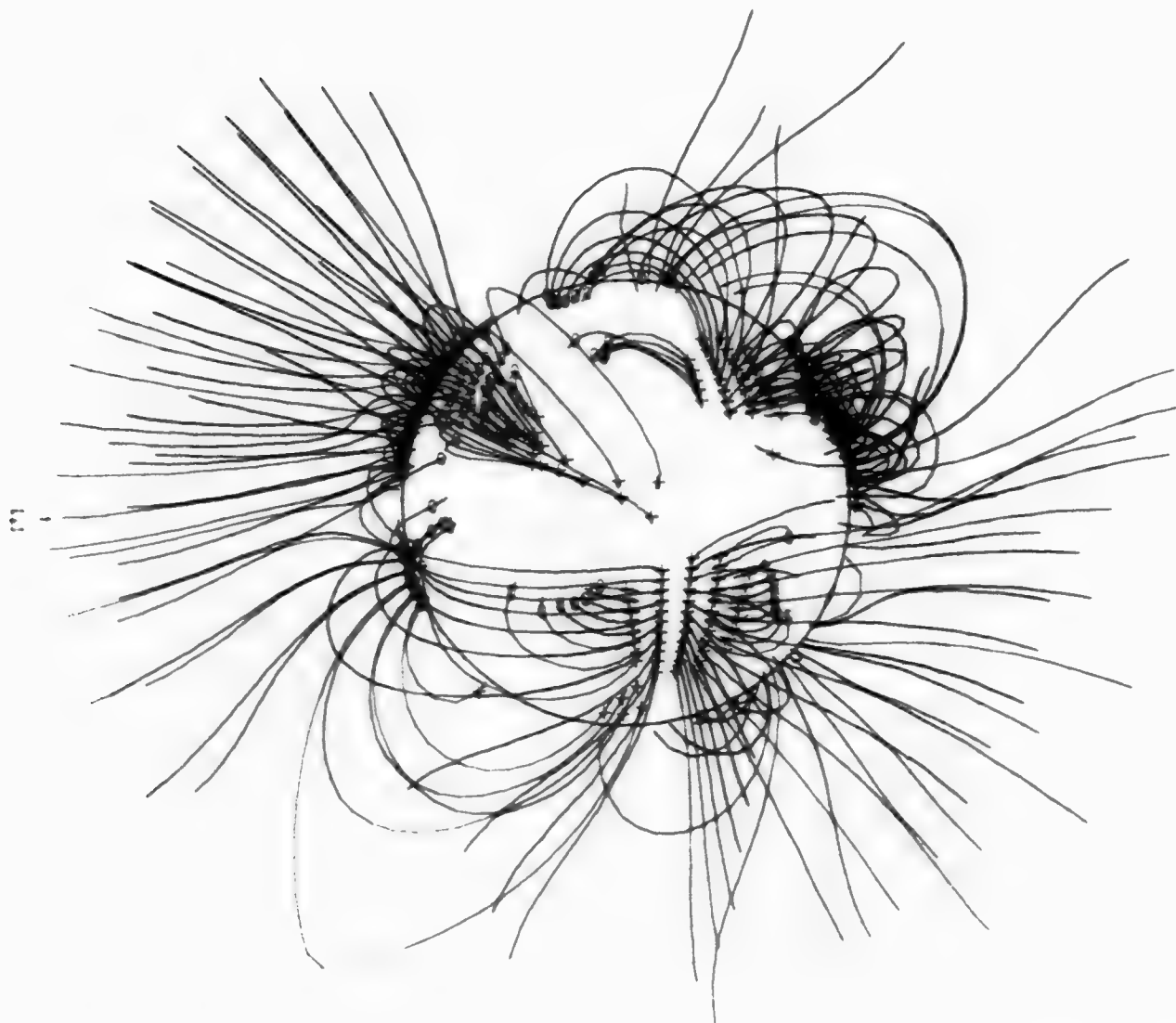
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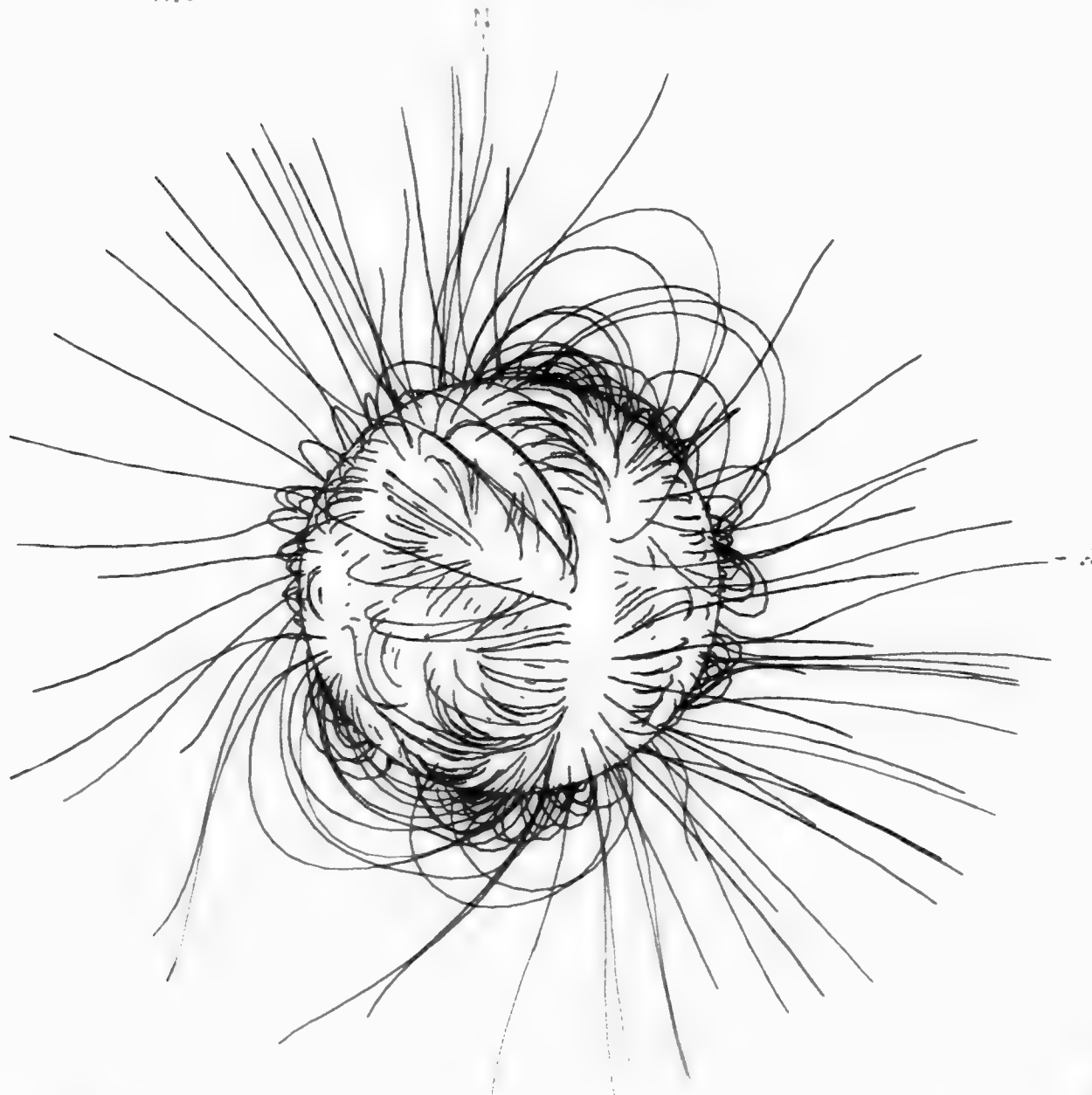
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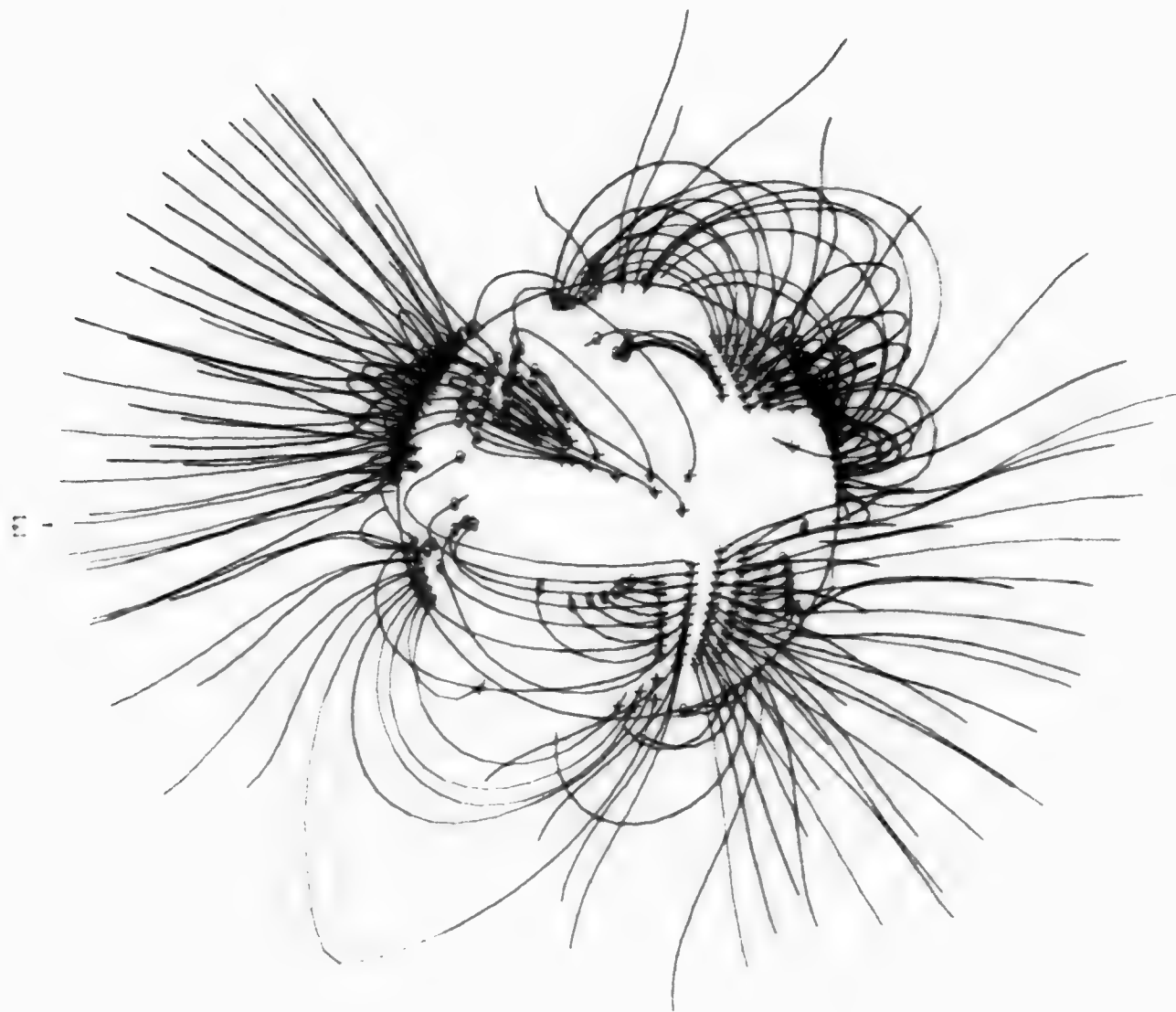
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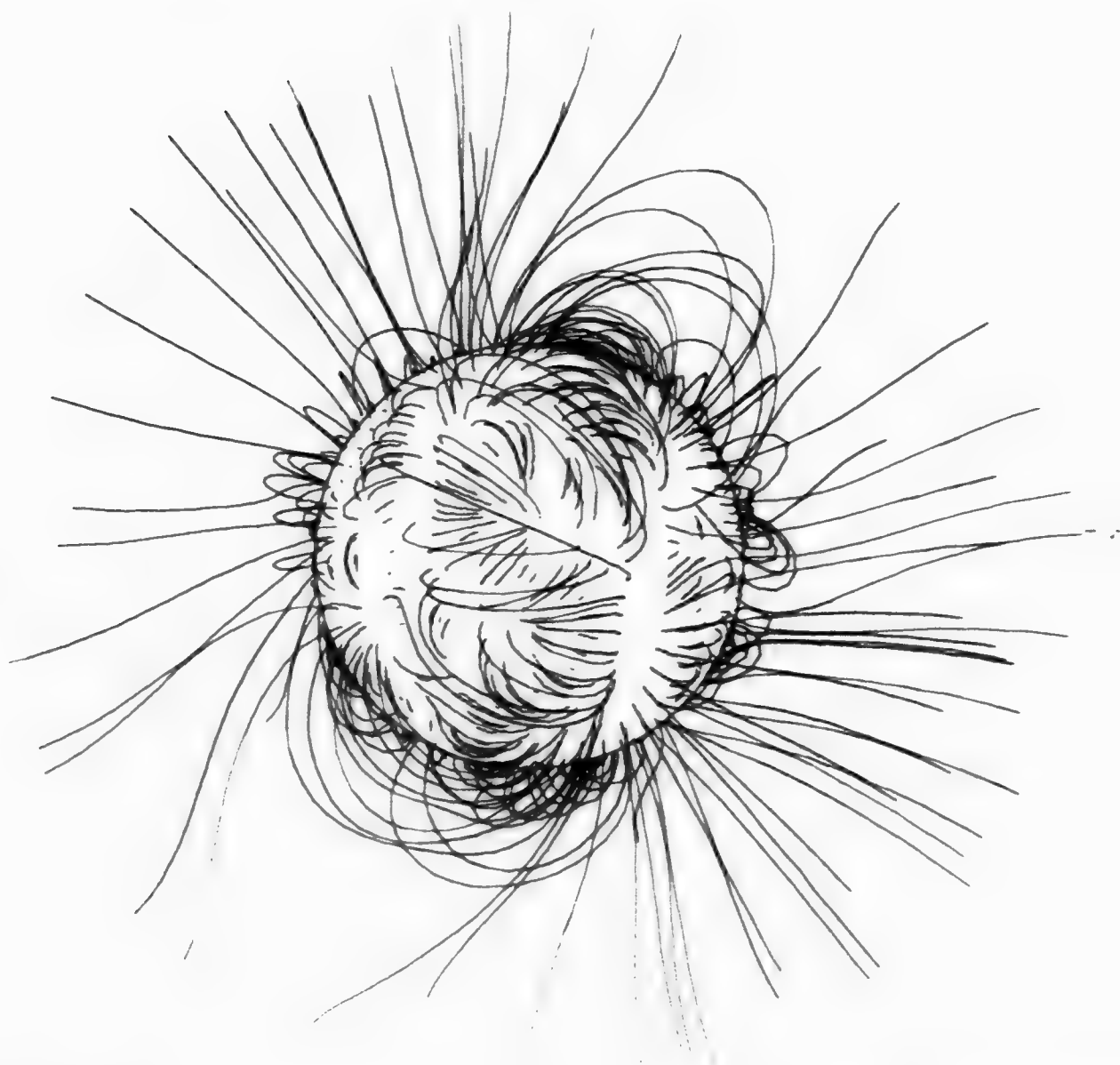
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CALIFORNIA

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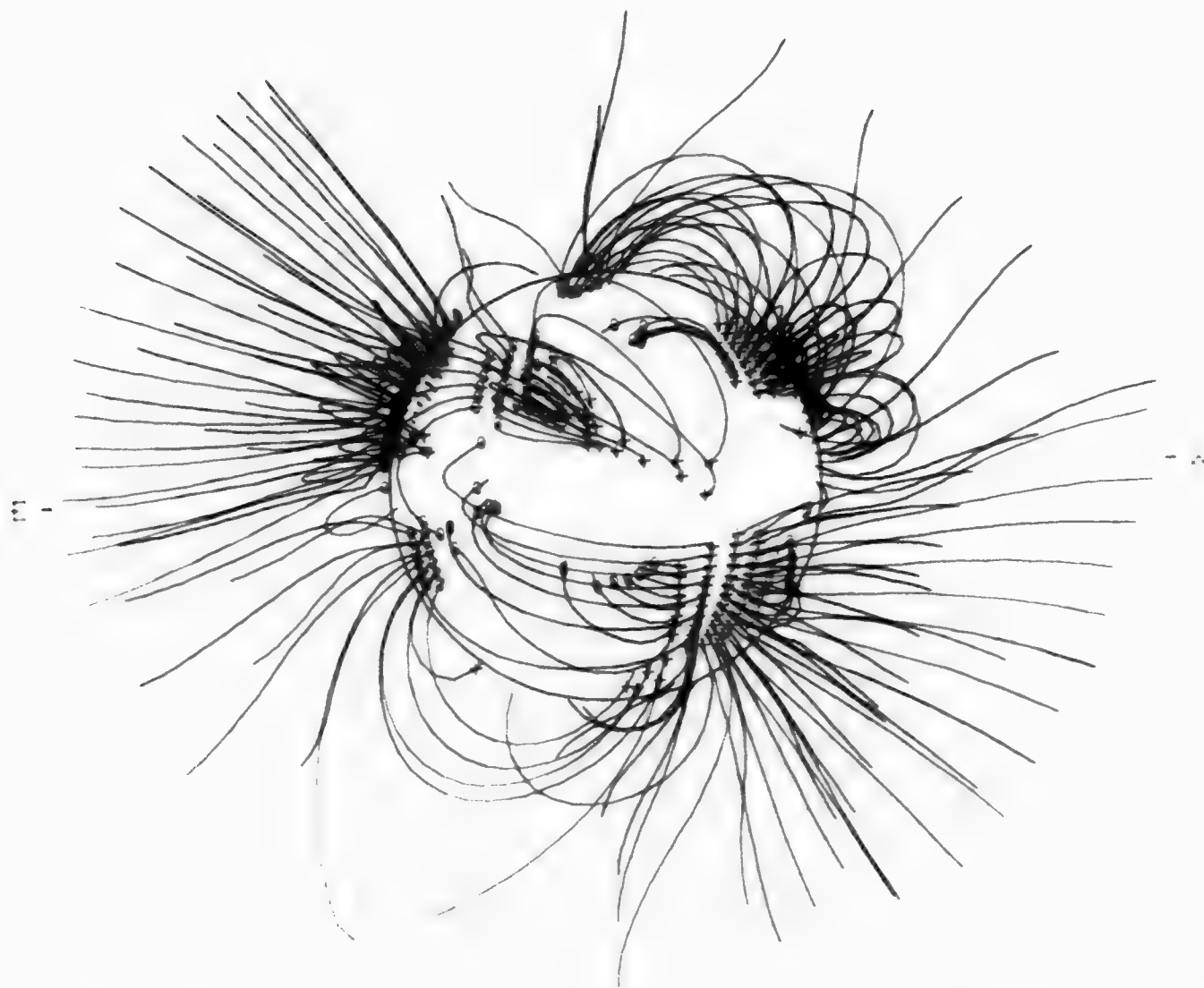
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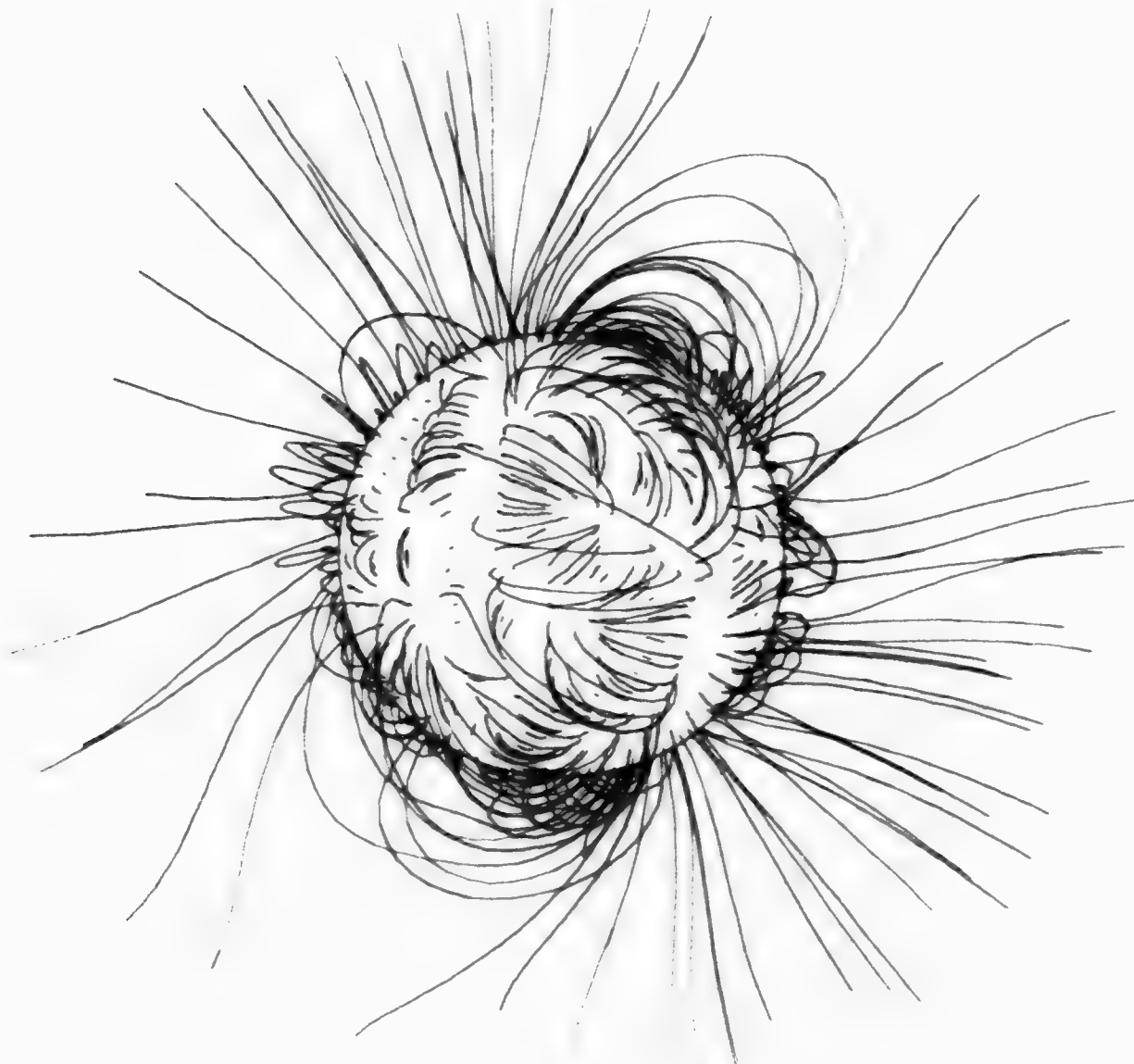
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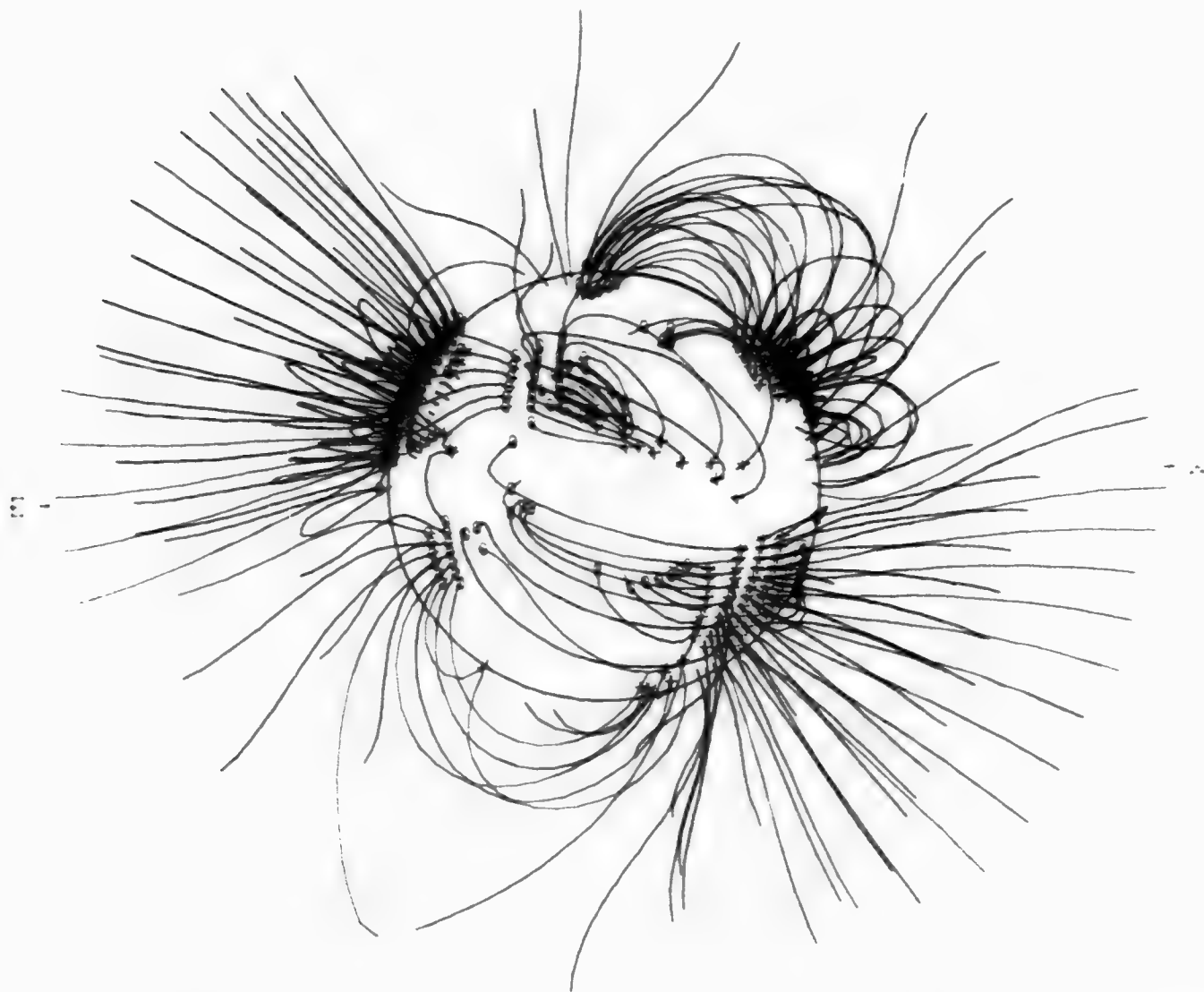
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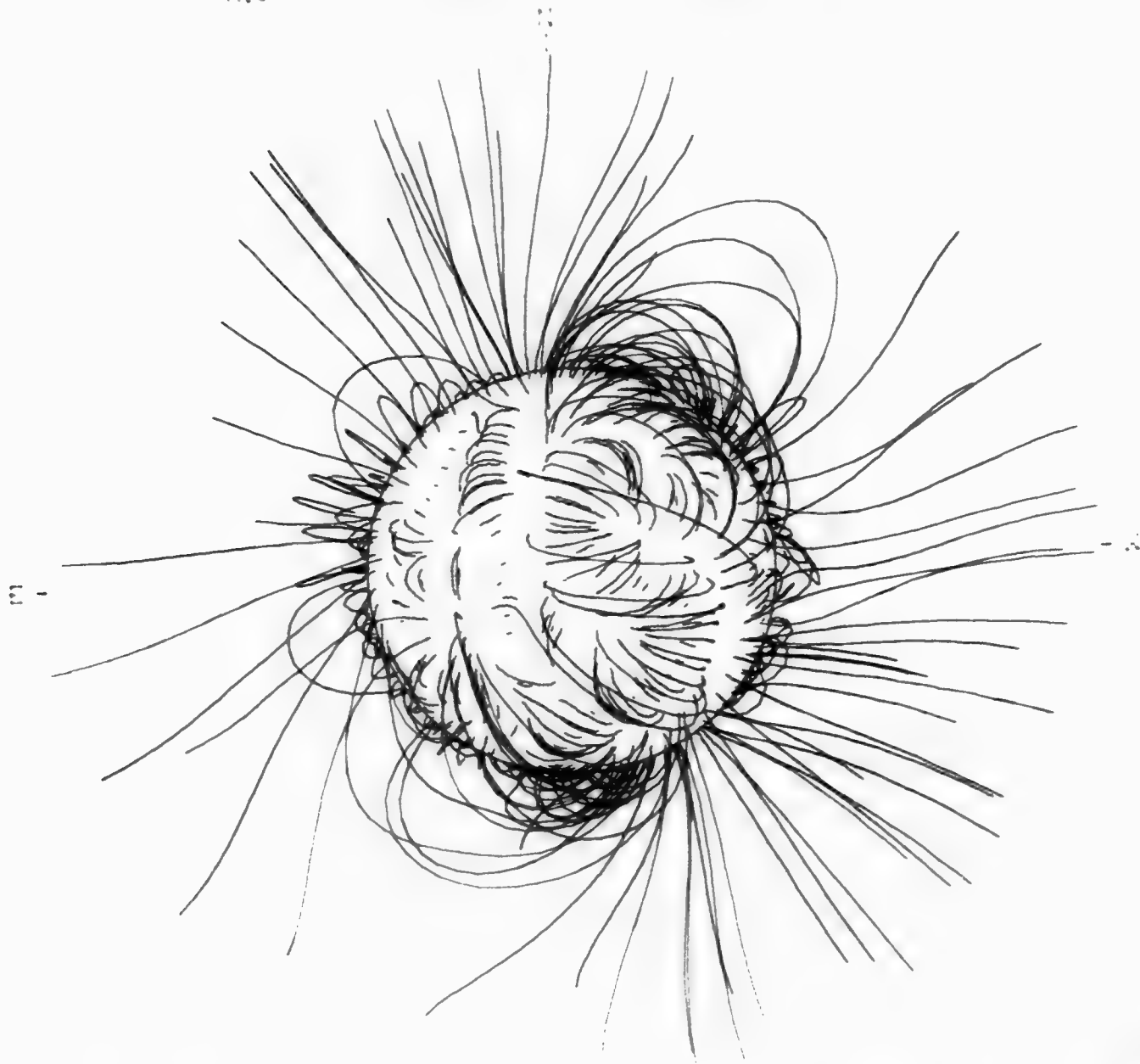
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HALE OBSERVATORY
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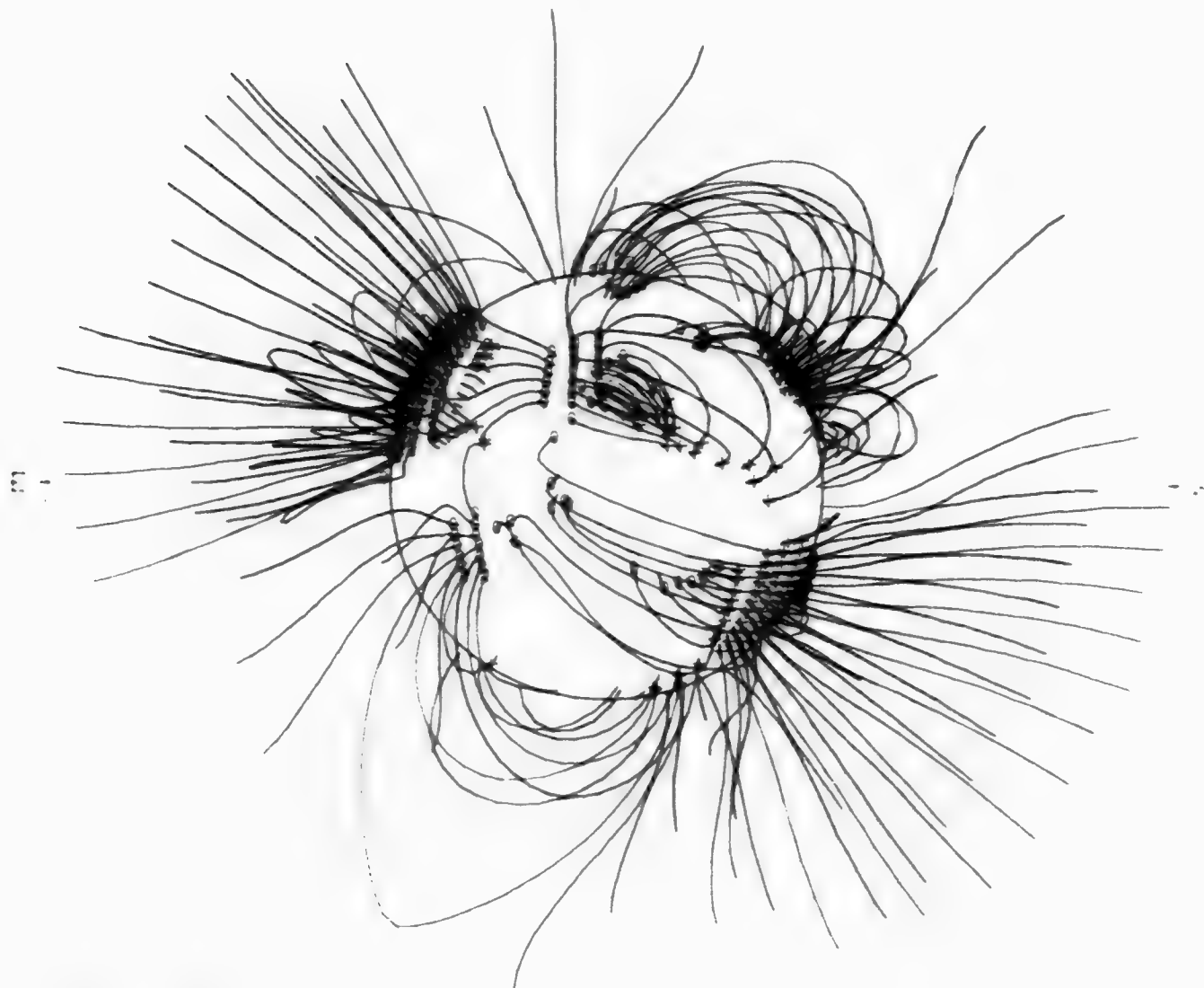
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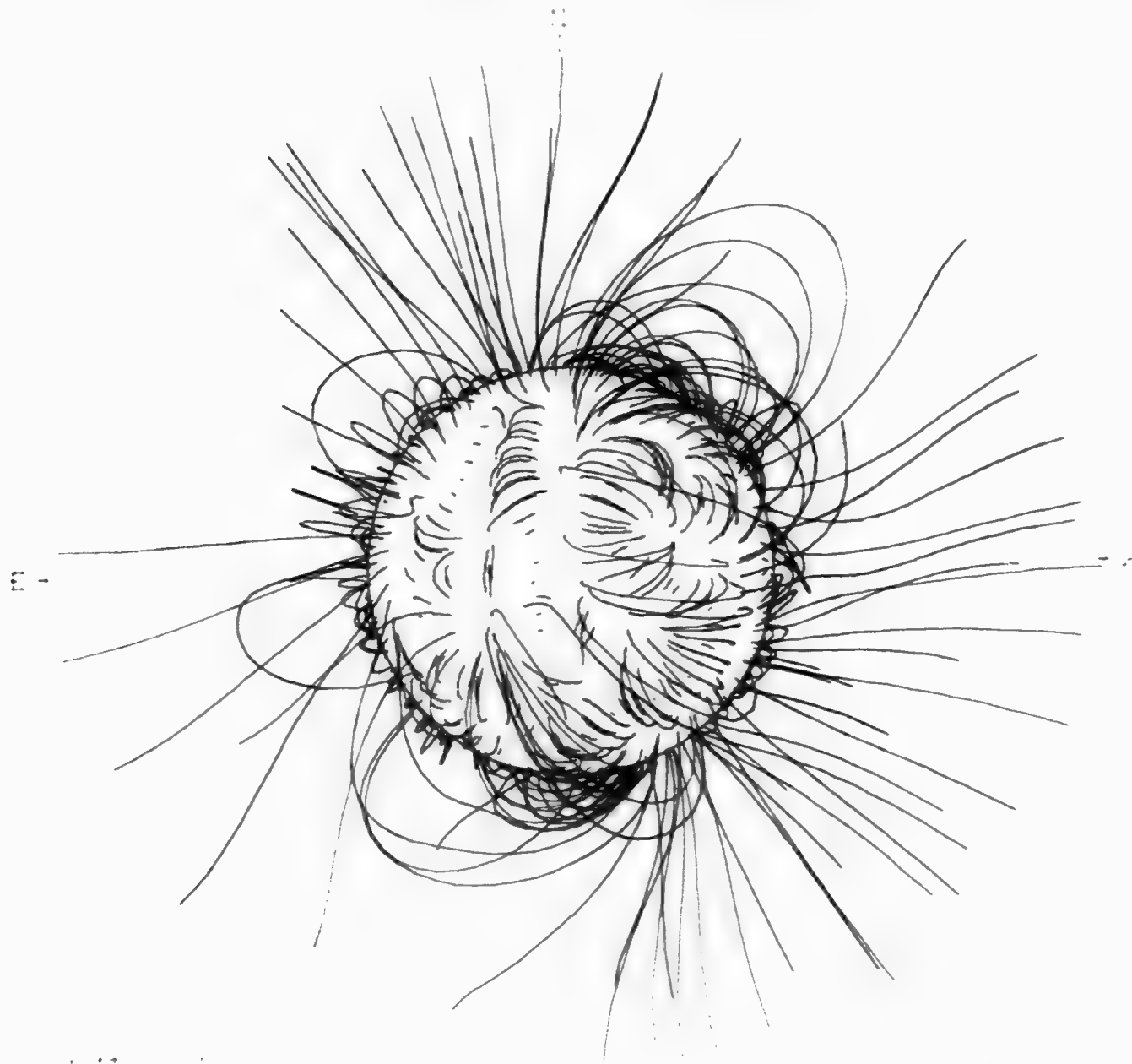
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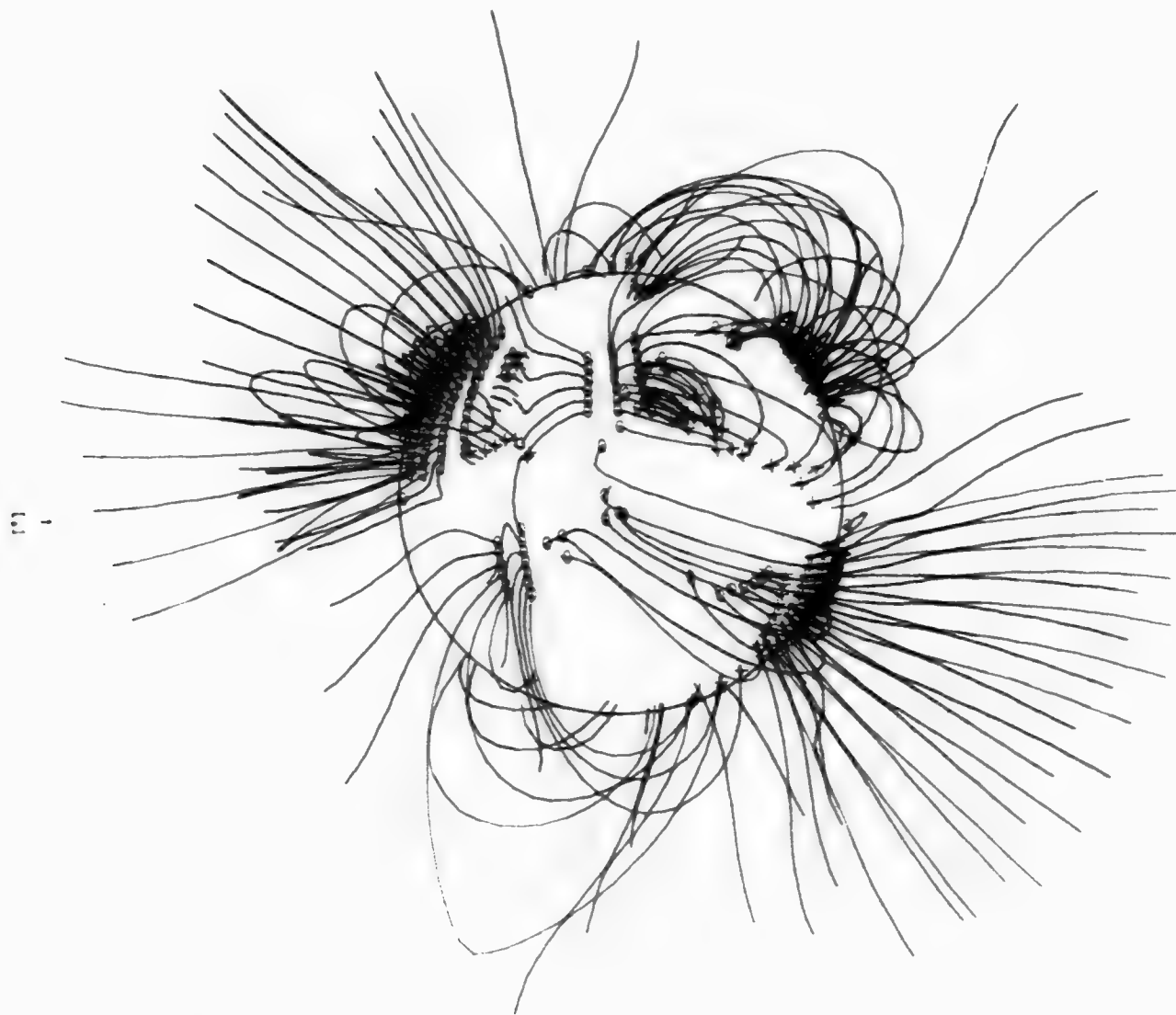
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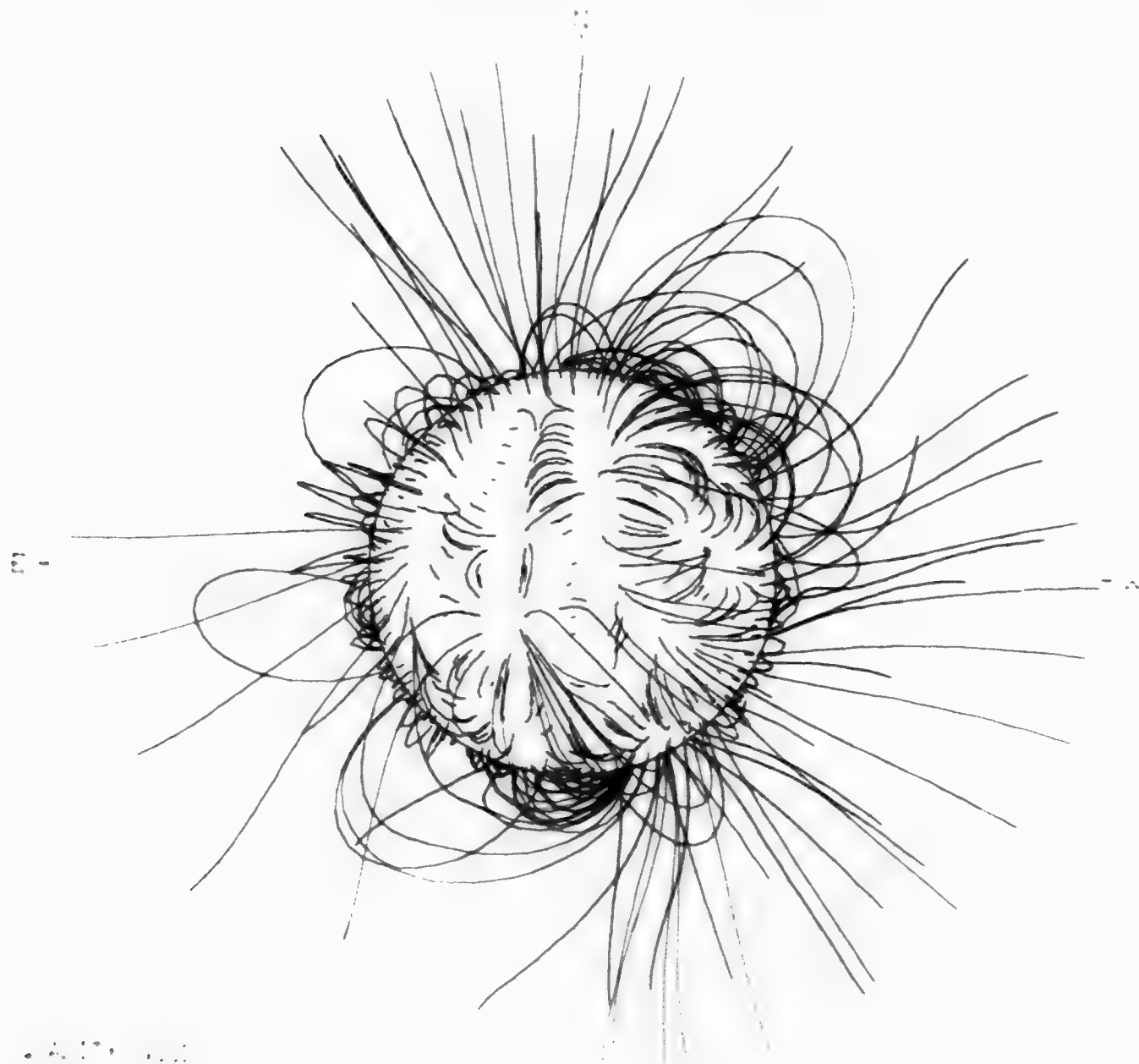
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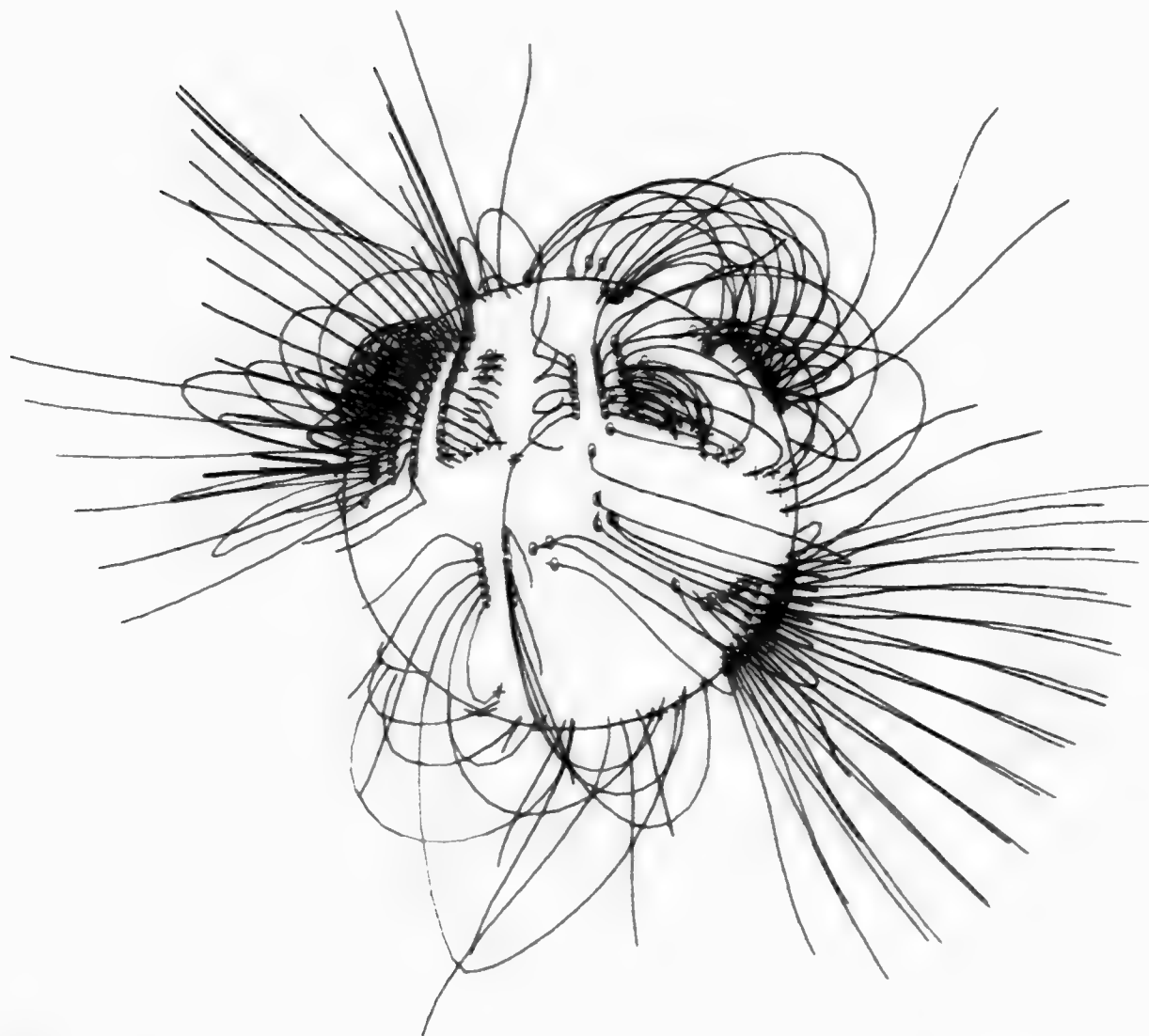
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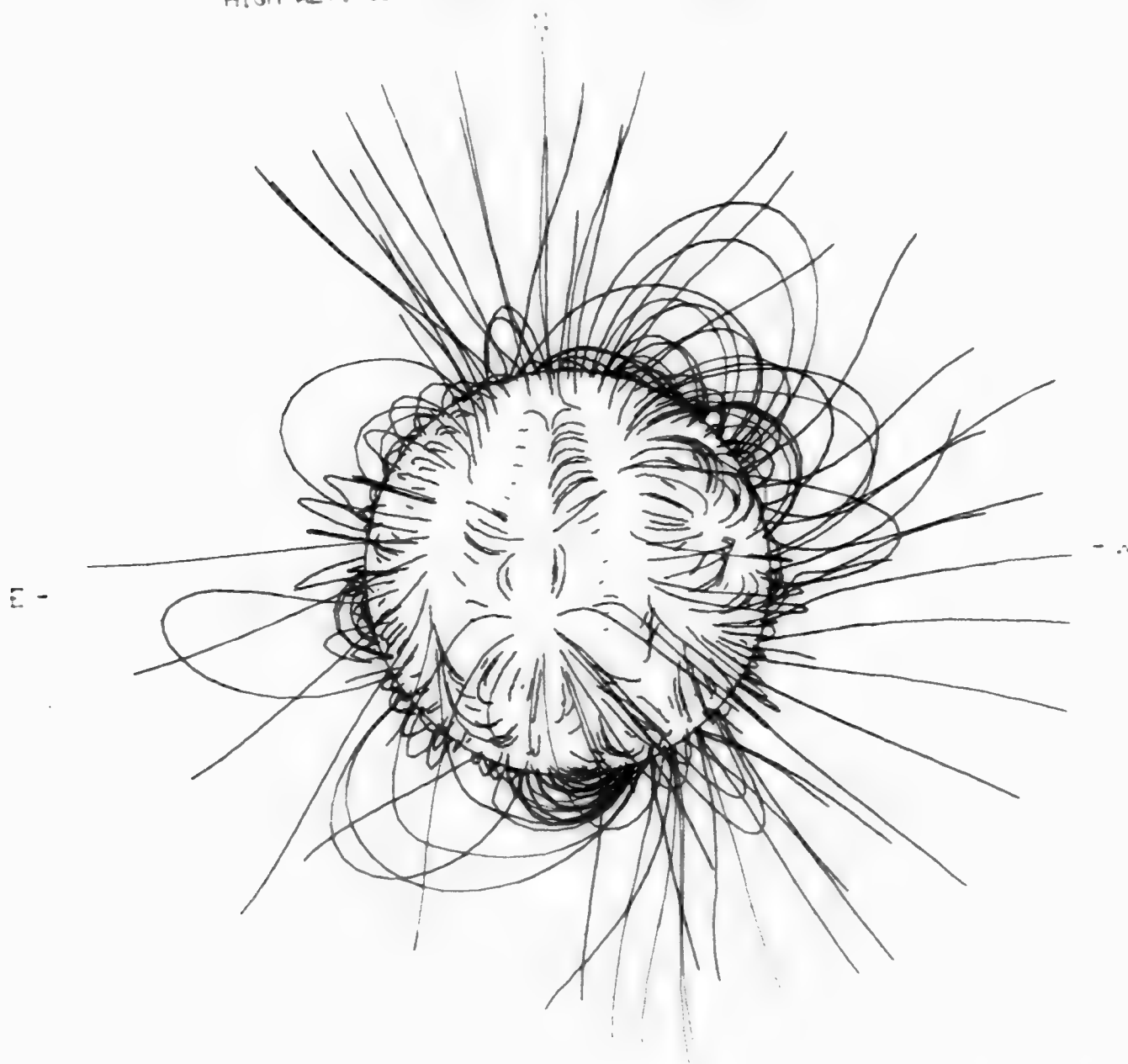
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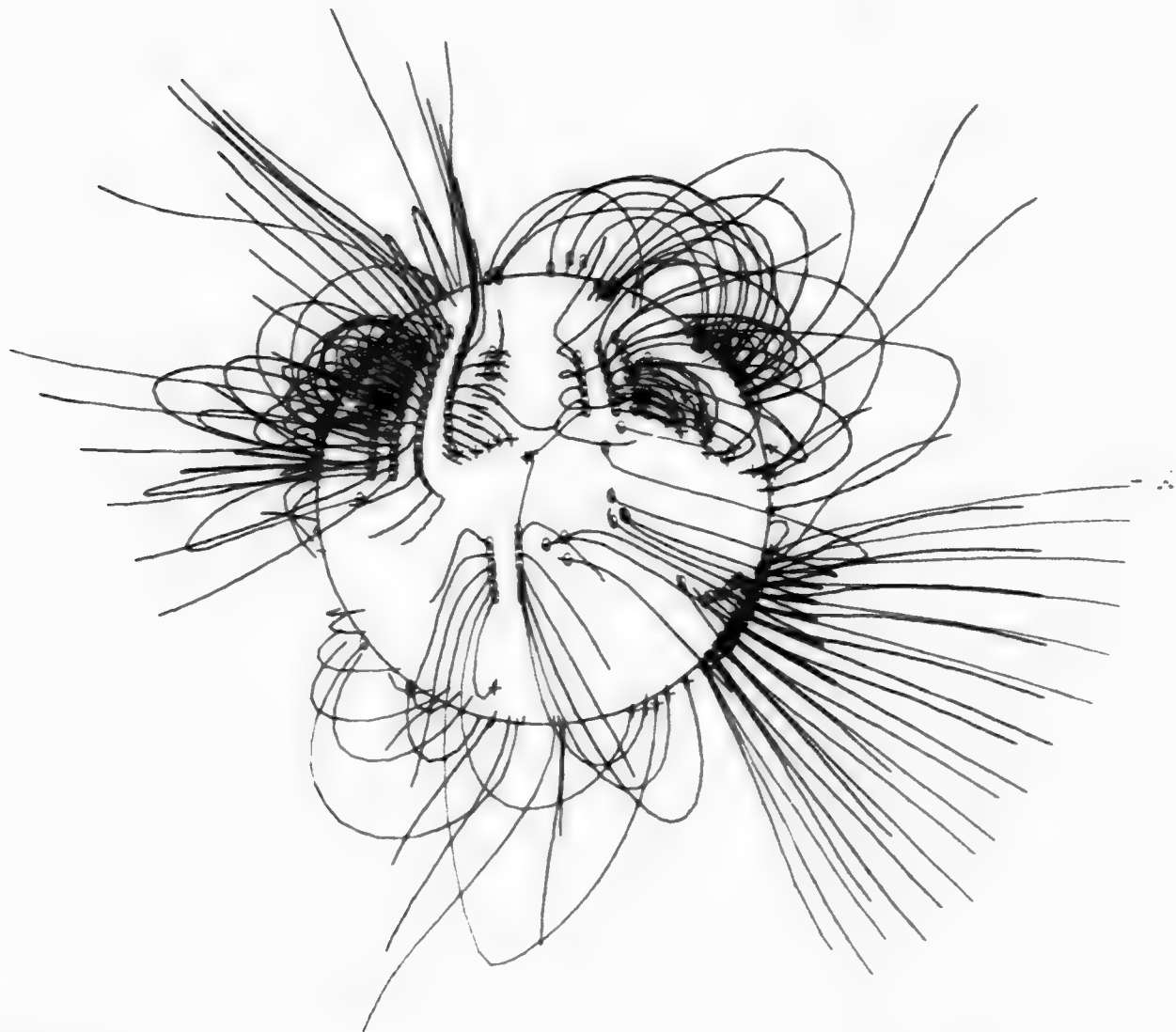
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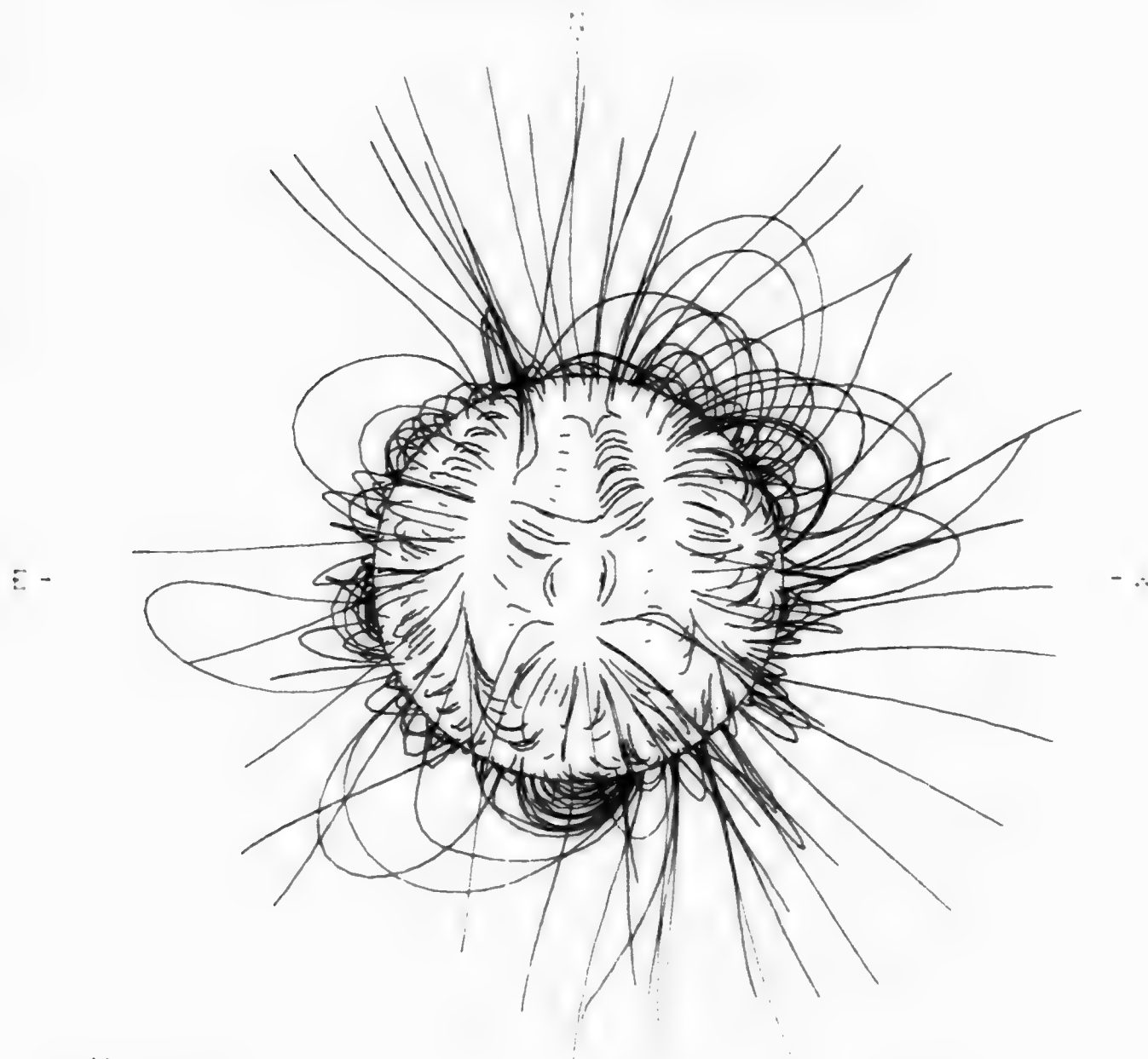
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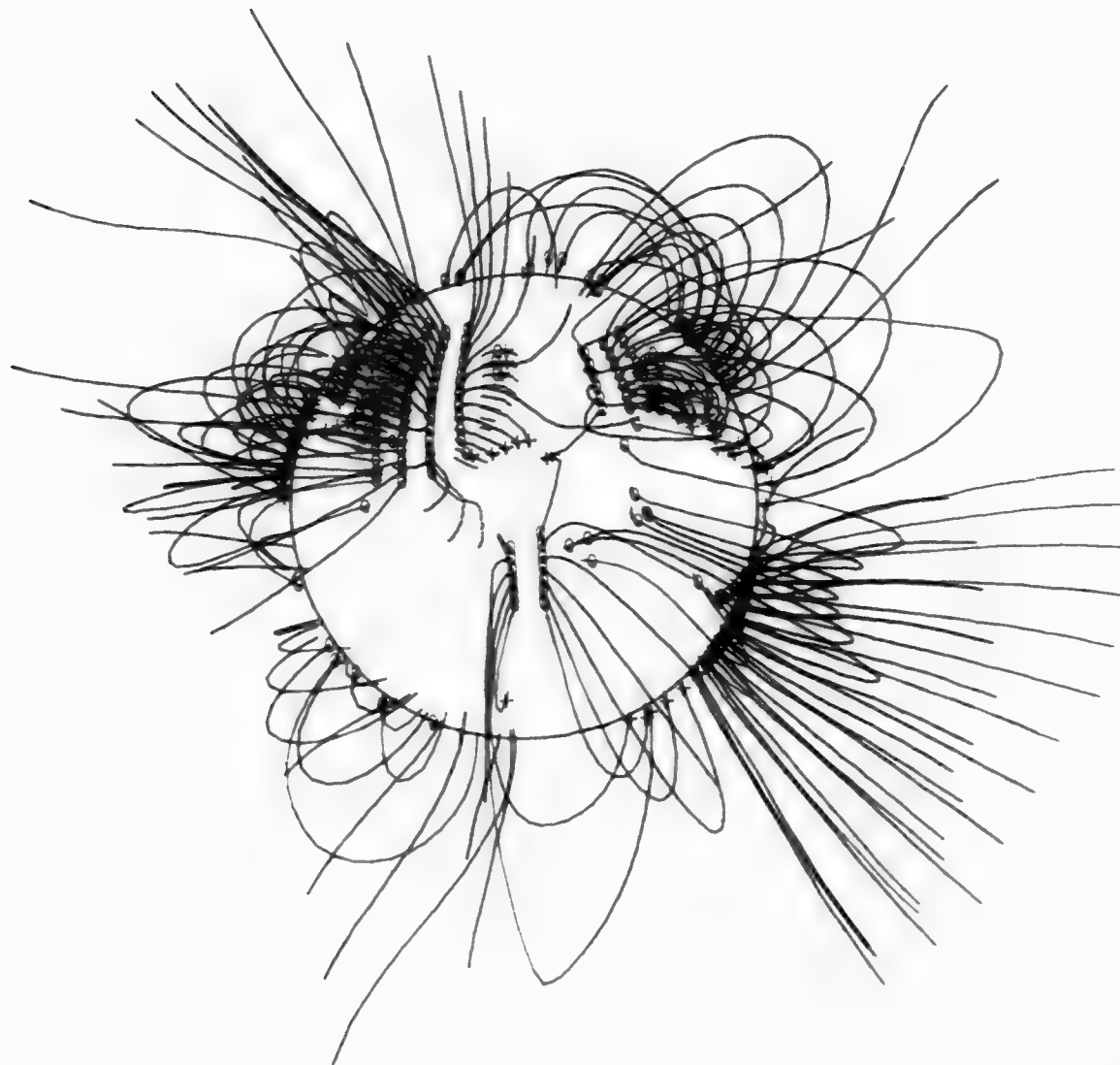
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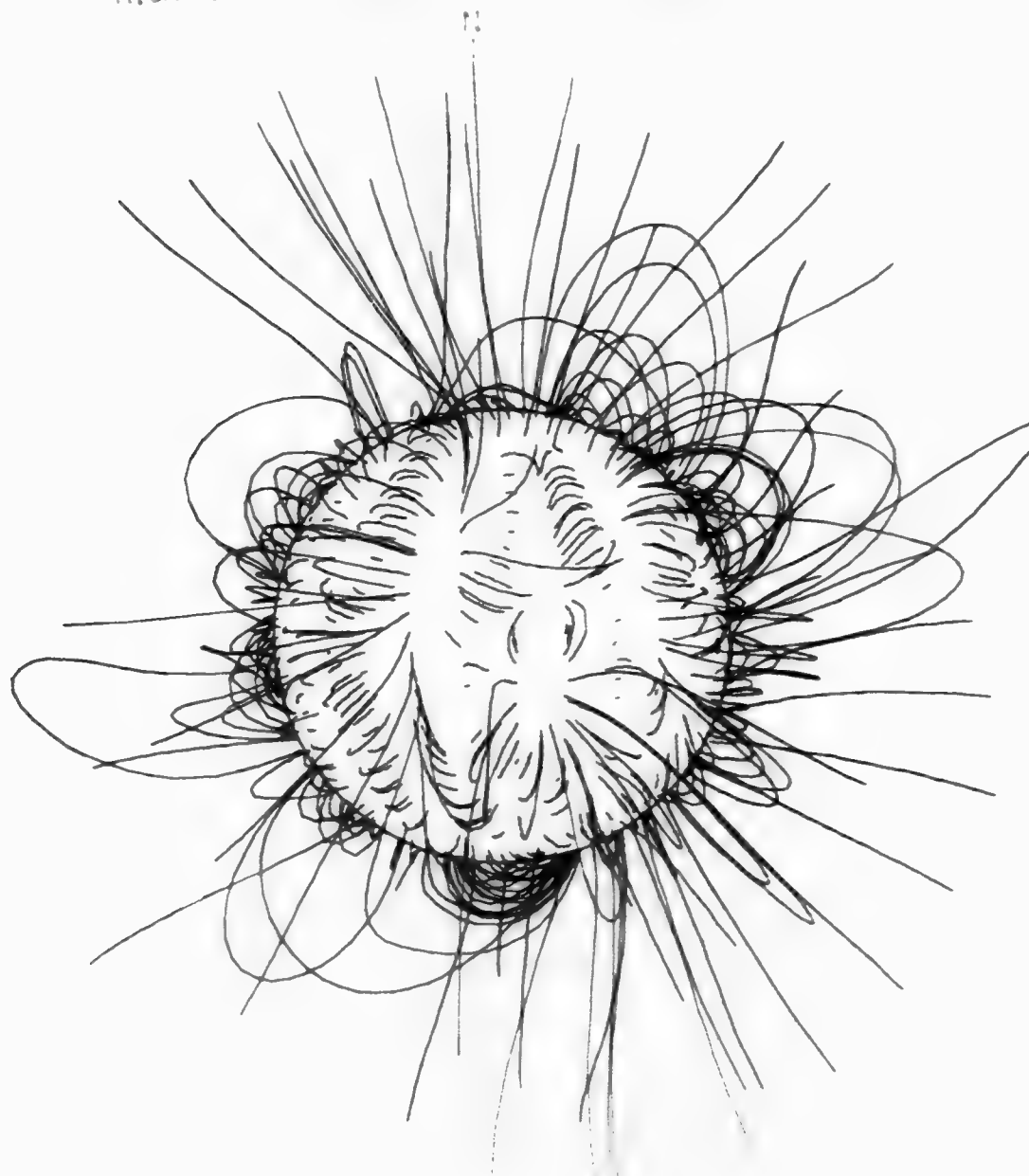
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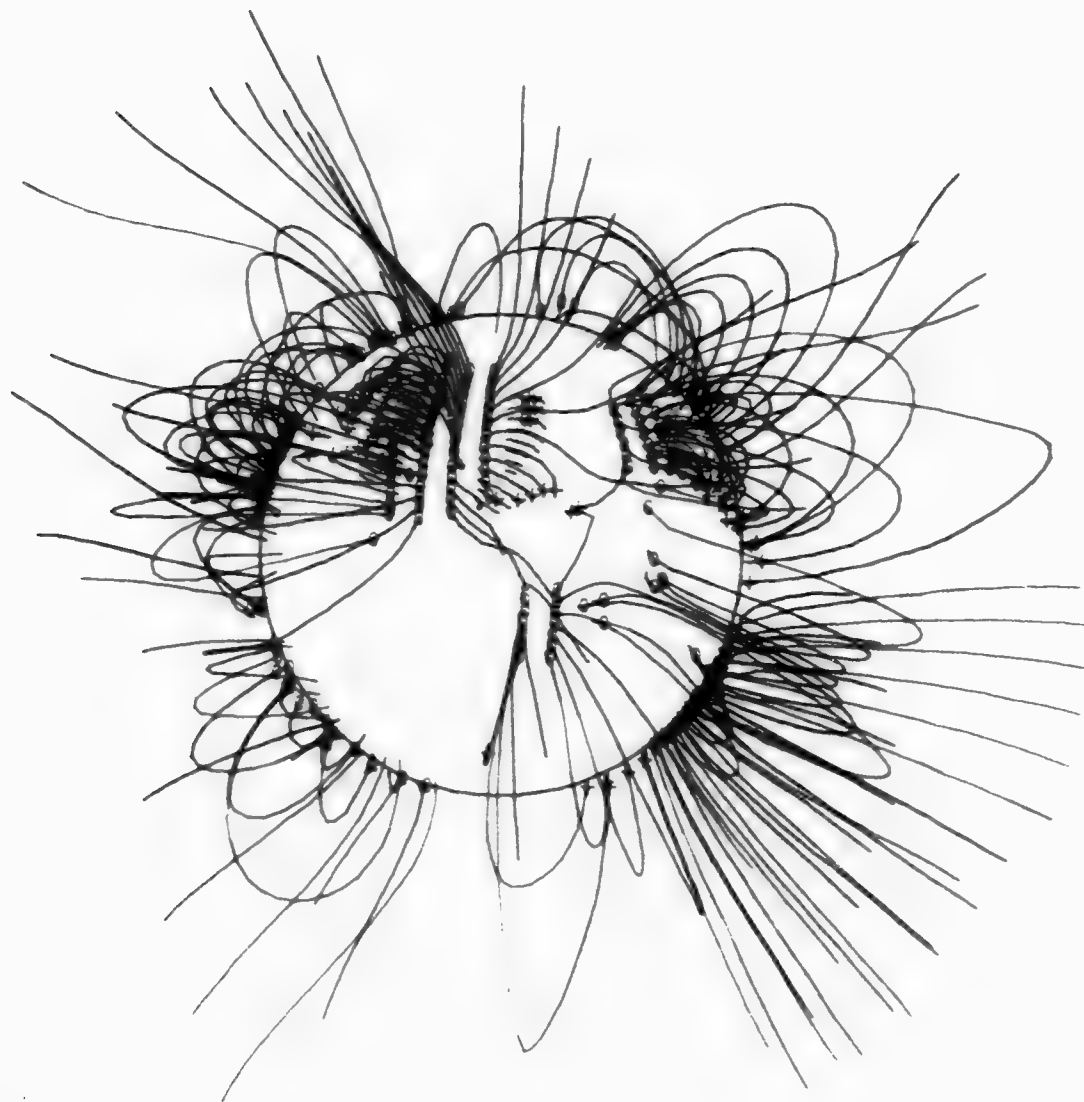
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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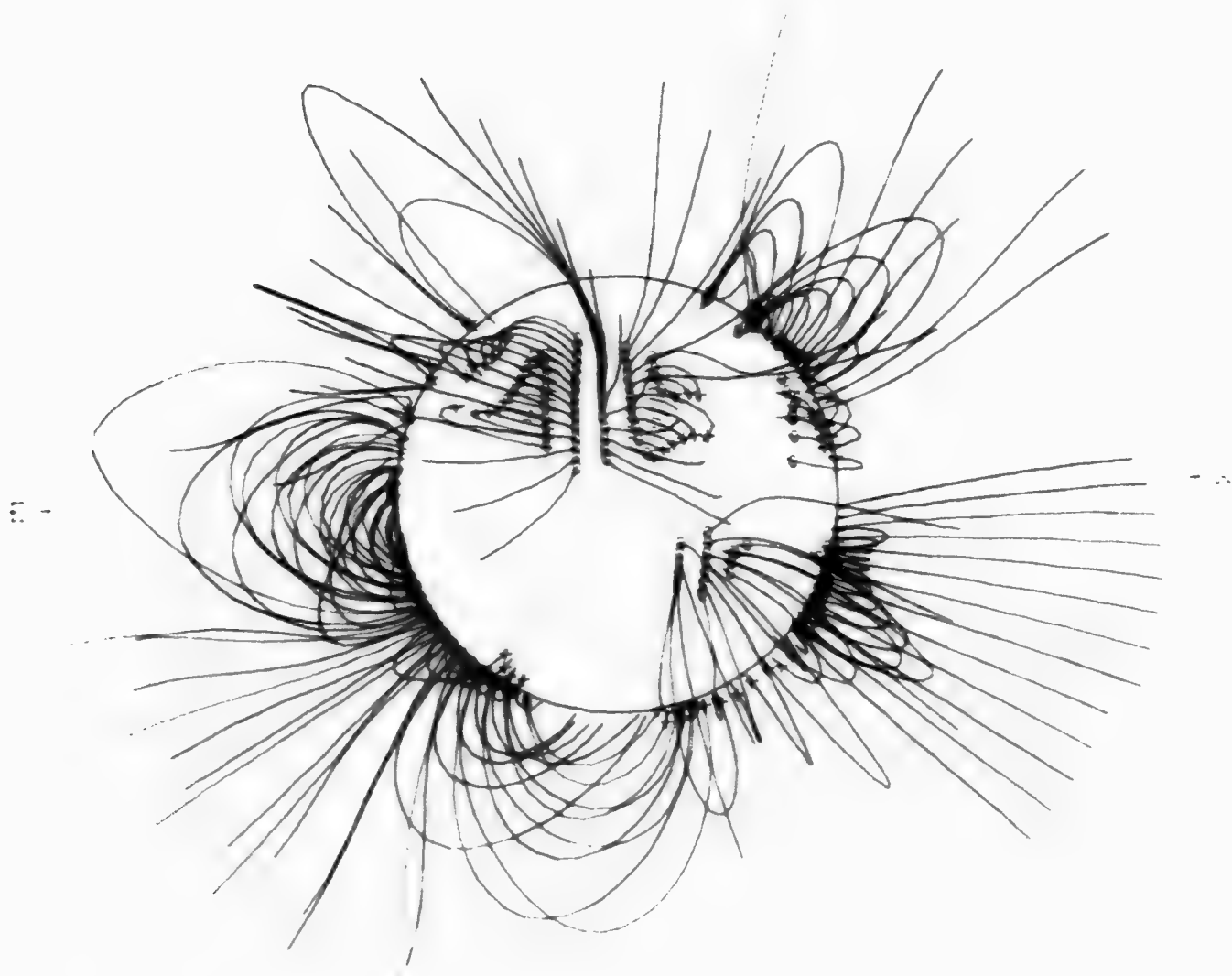
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ANALYSIS OF OBSERVATIONS - CASE STUDY

ANALYSIS OF OBSERVATIONS - CASE STUDY

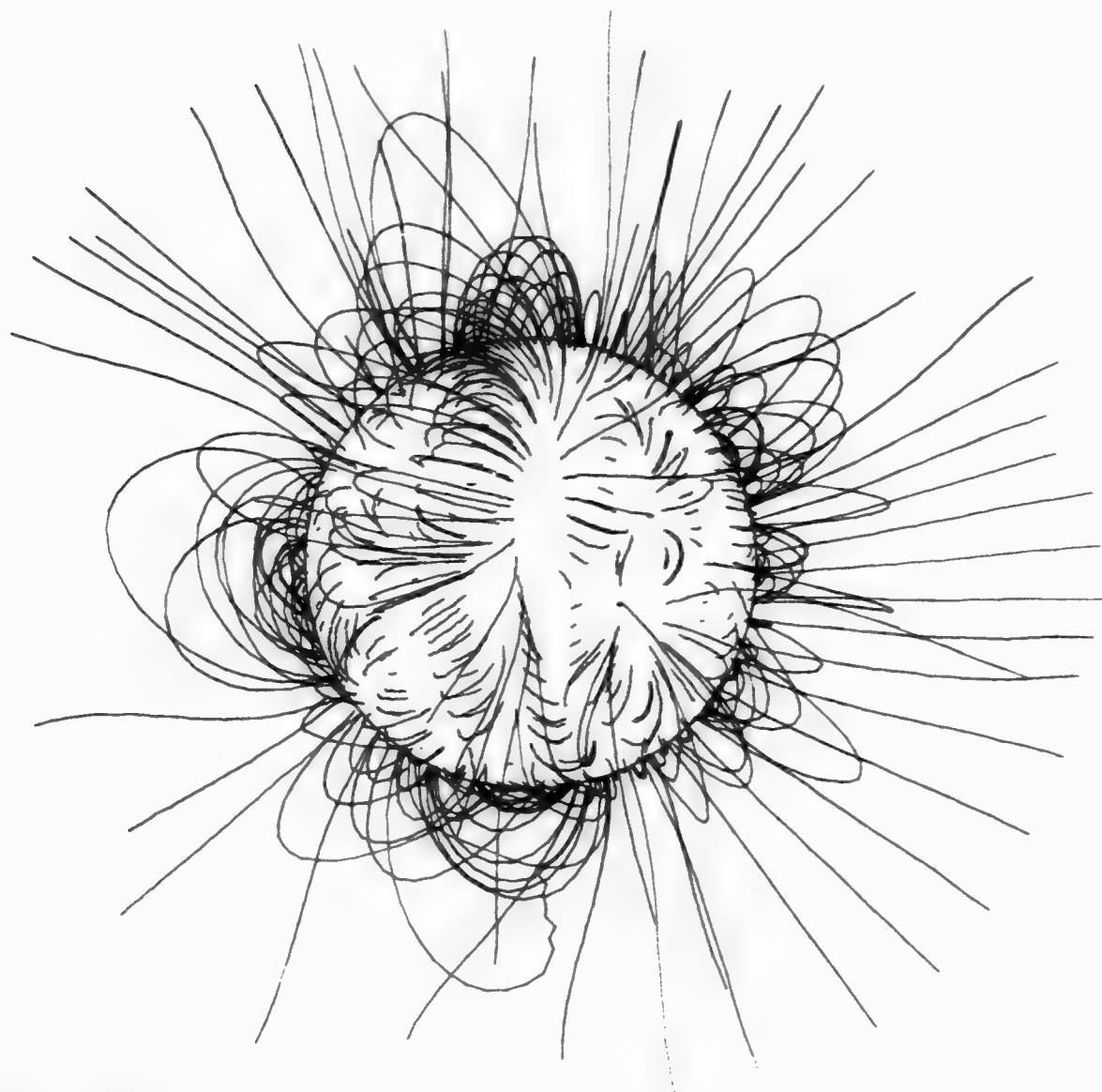
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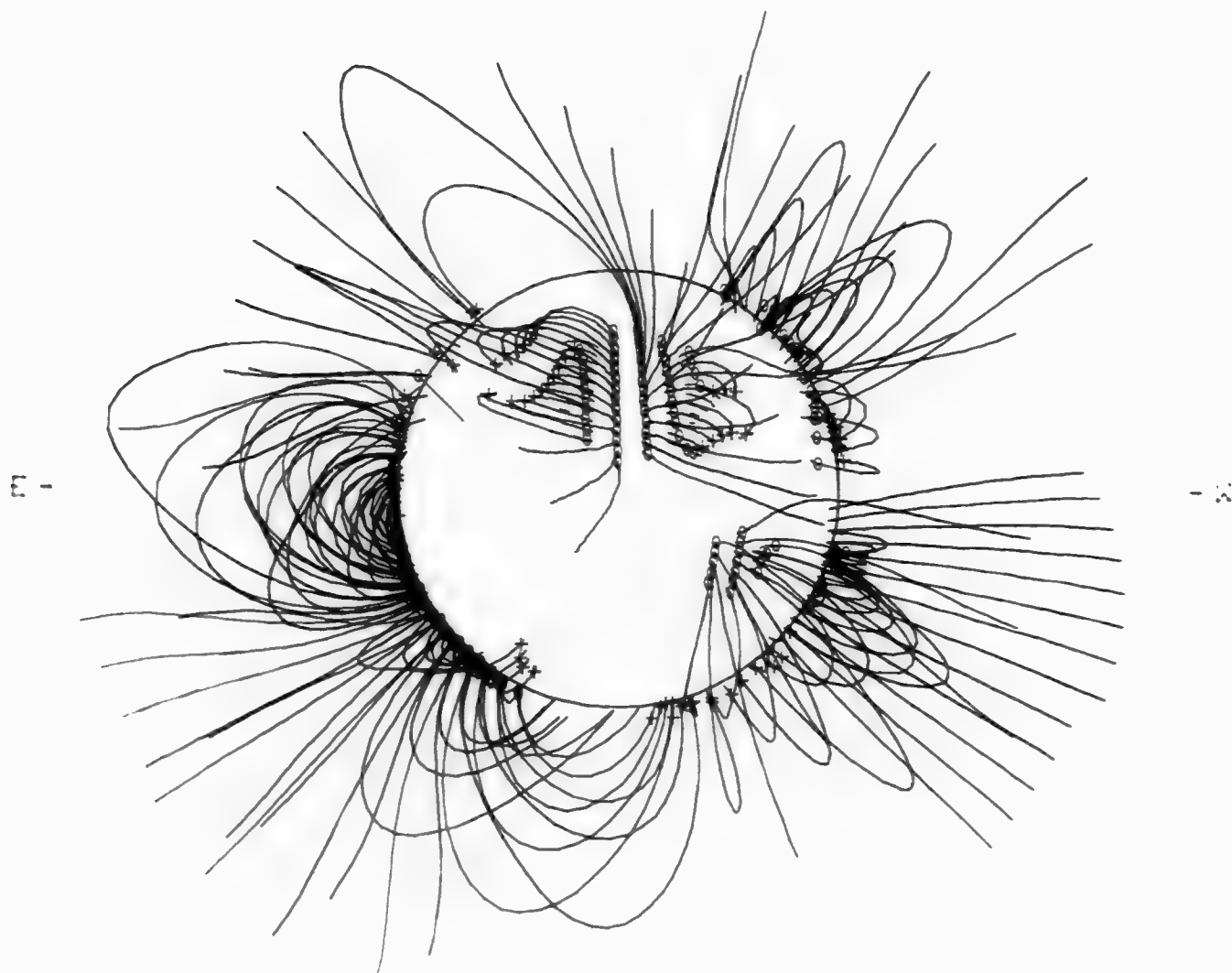
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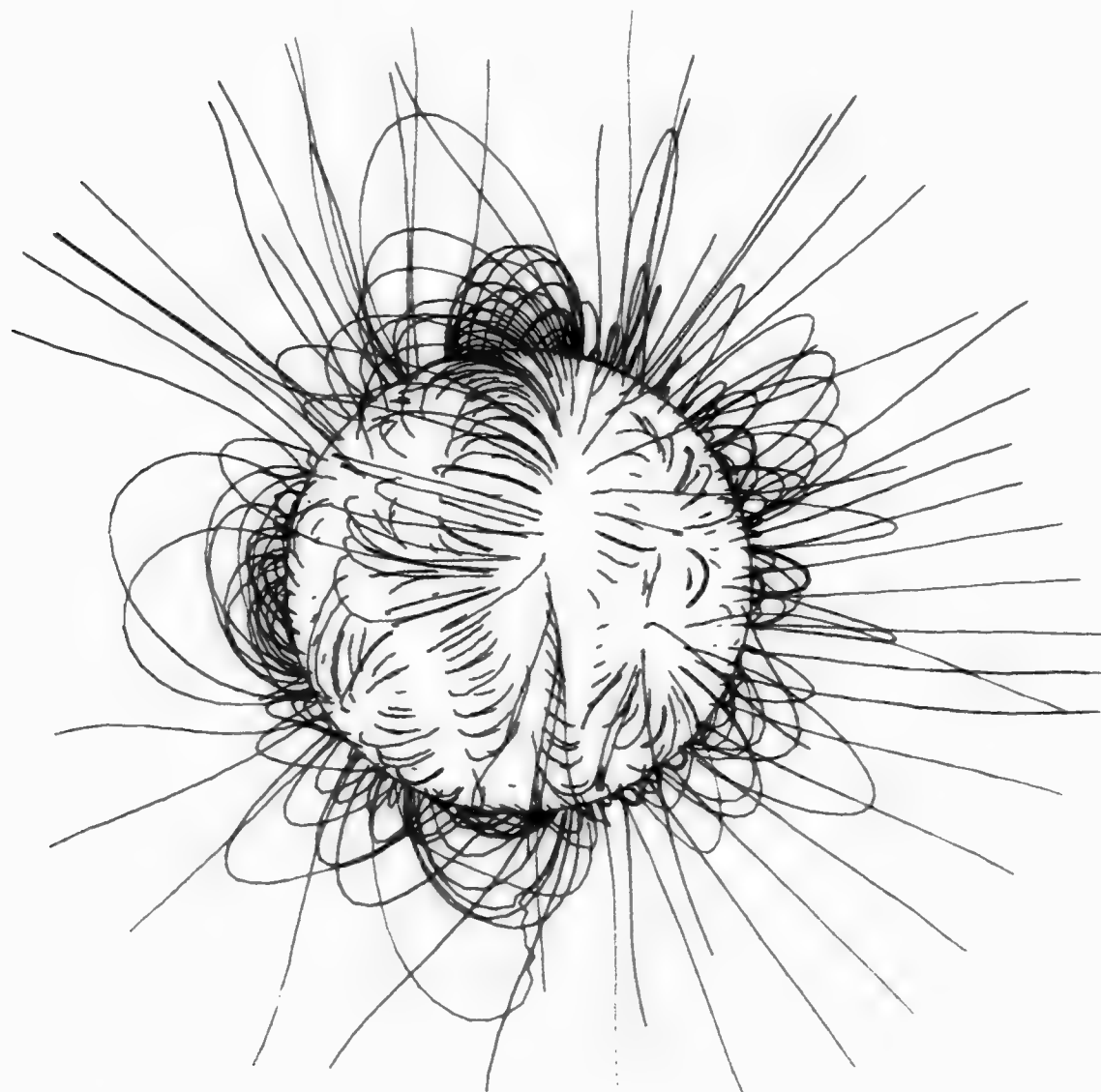
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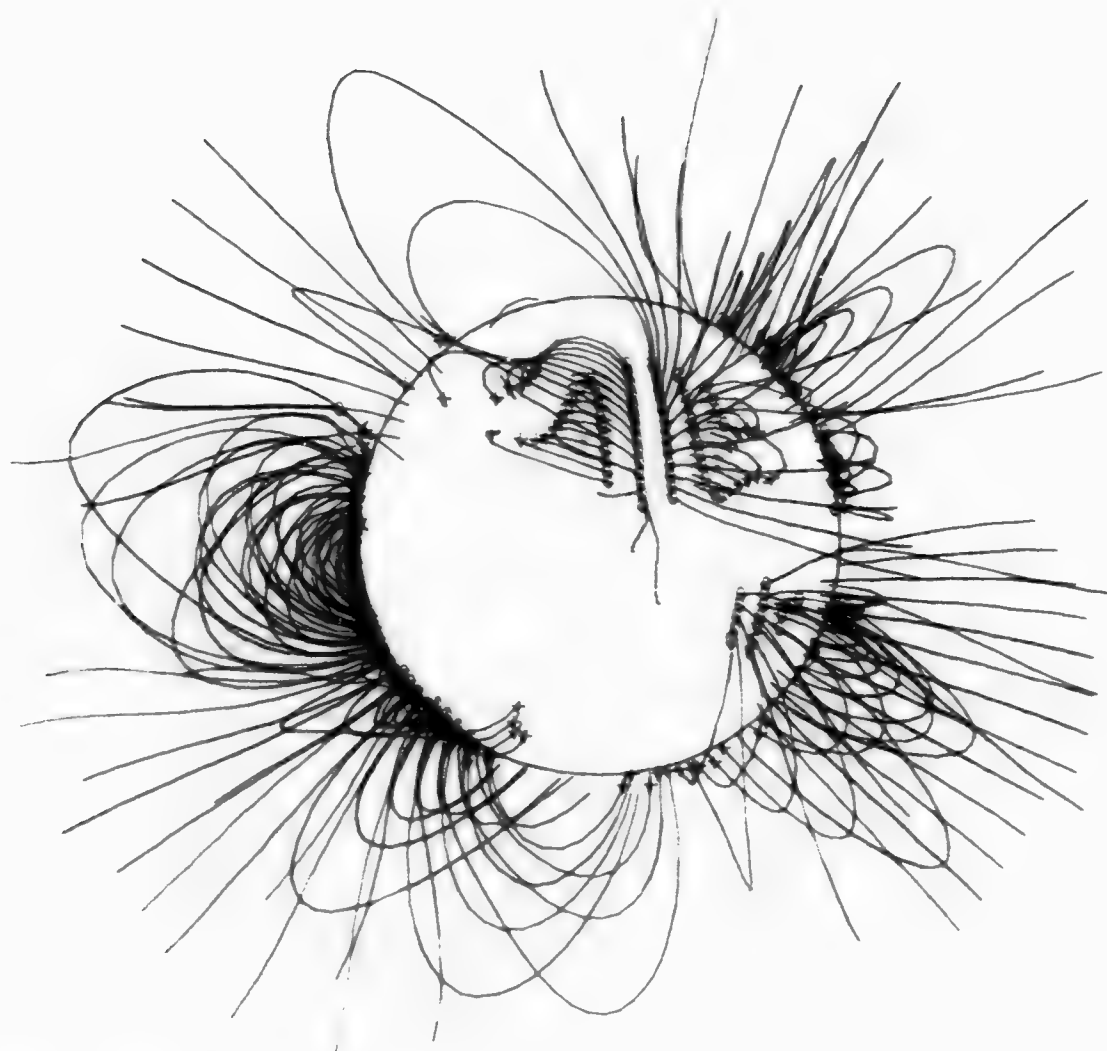
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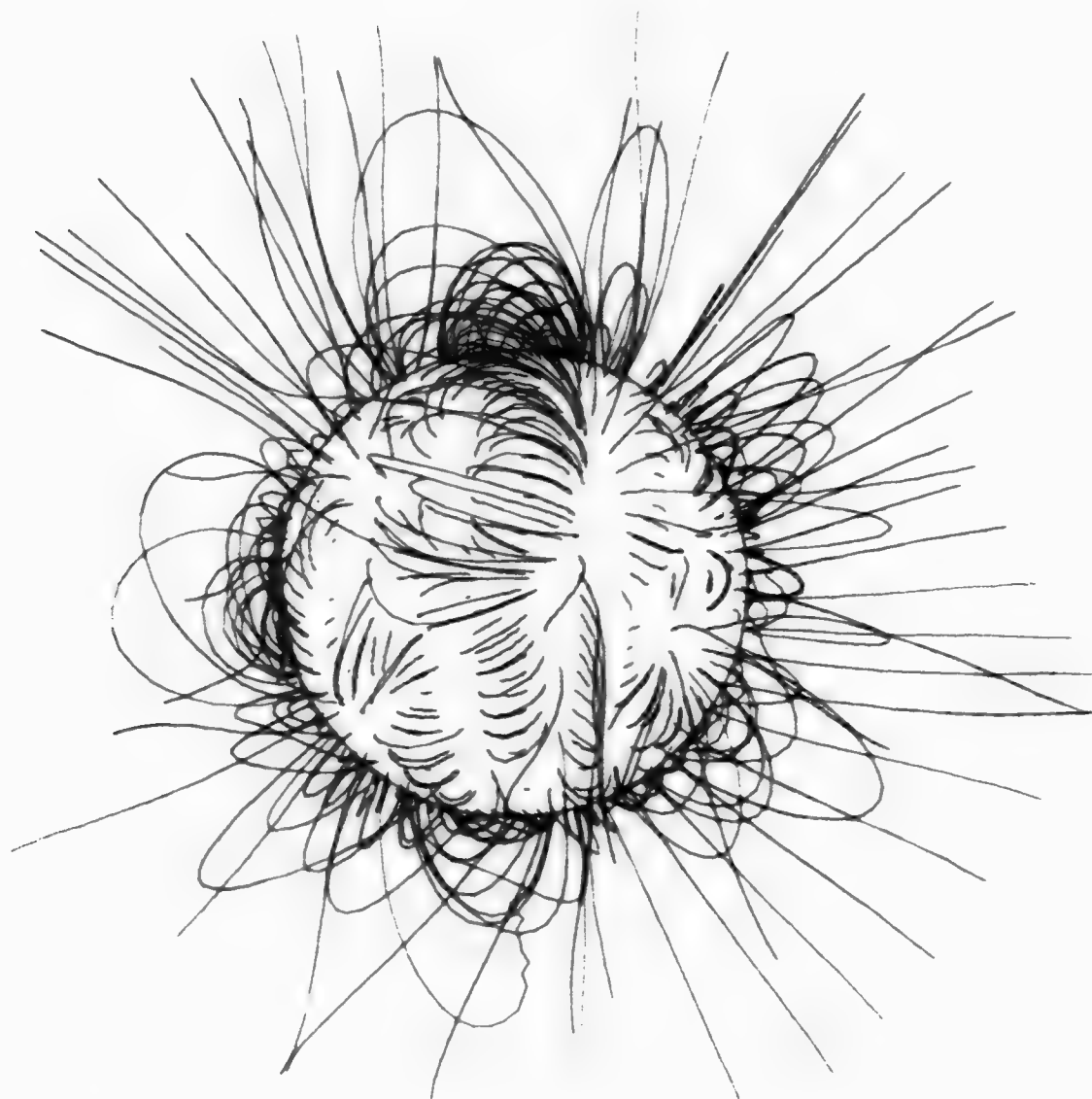
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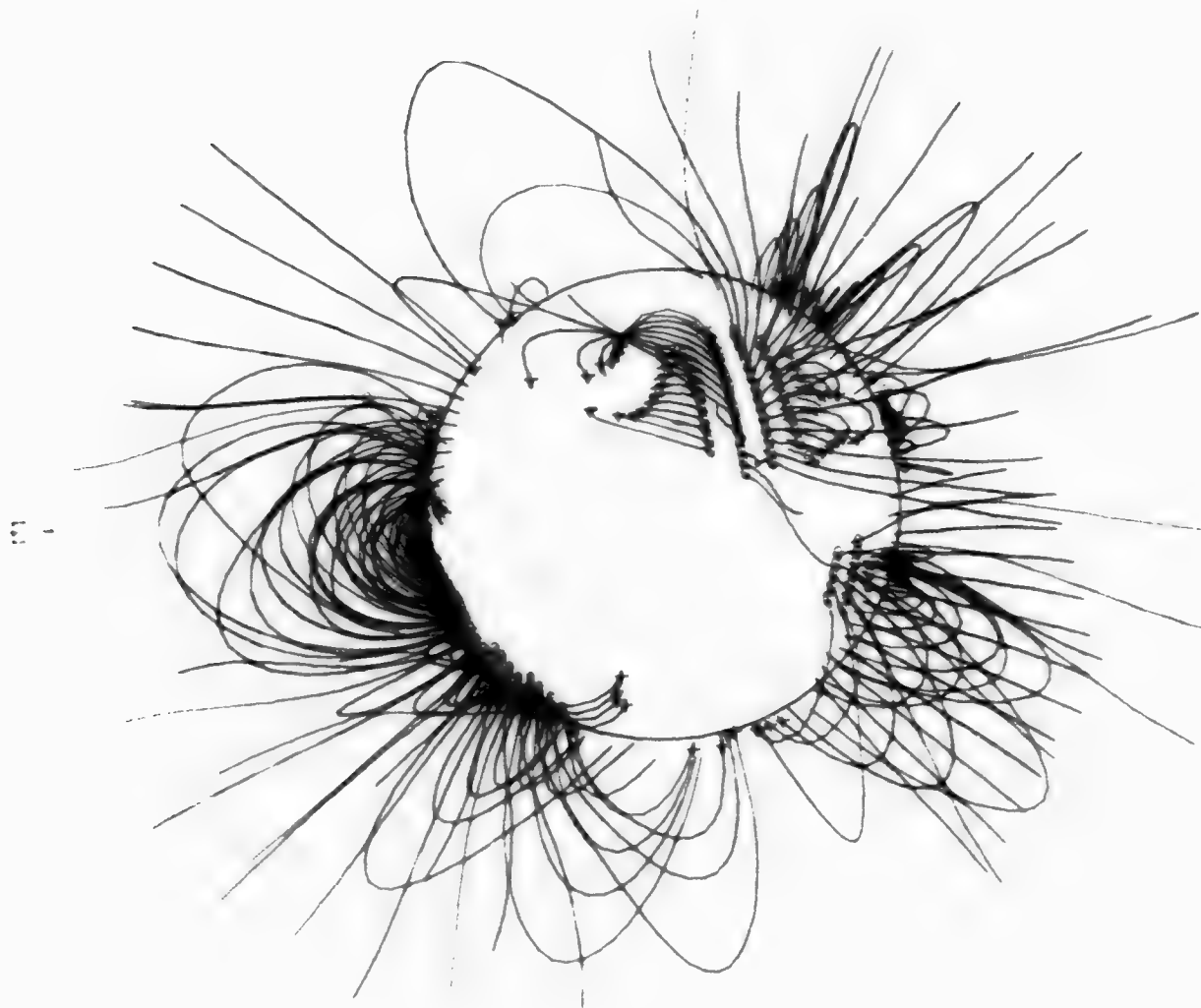
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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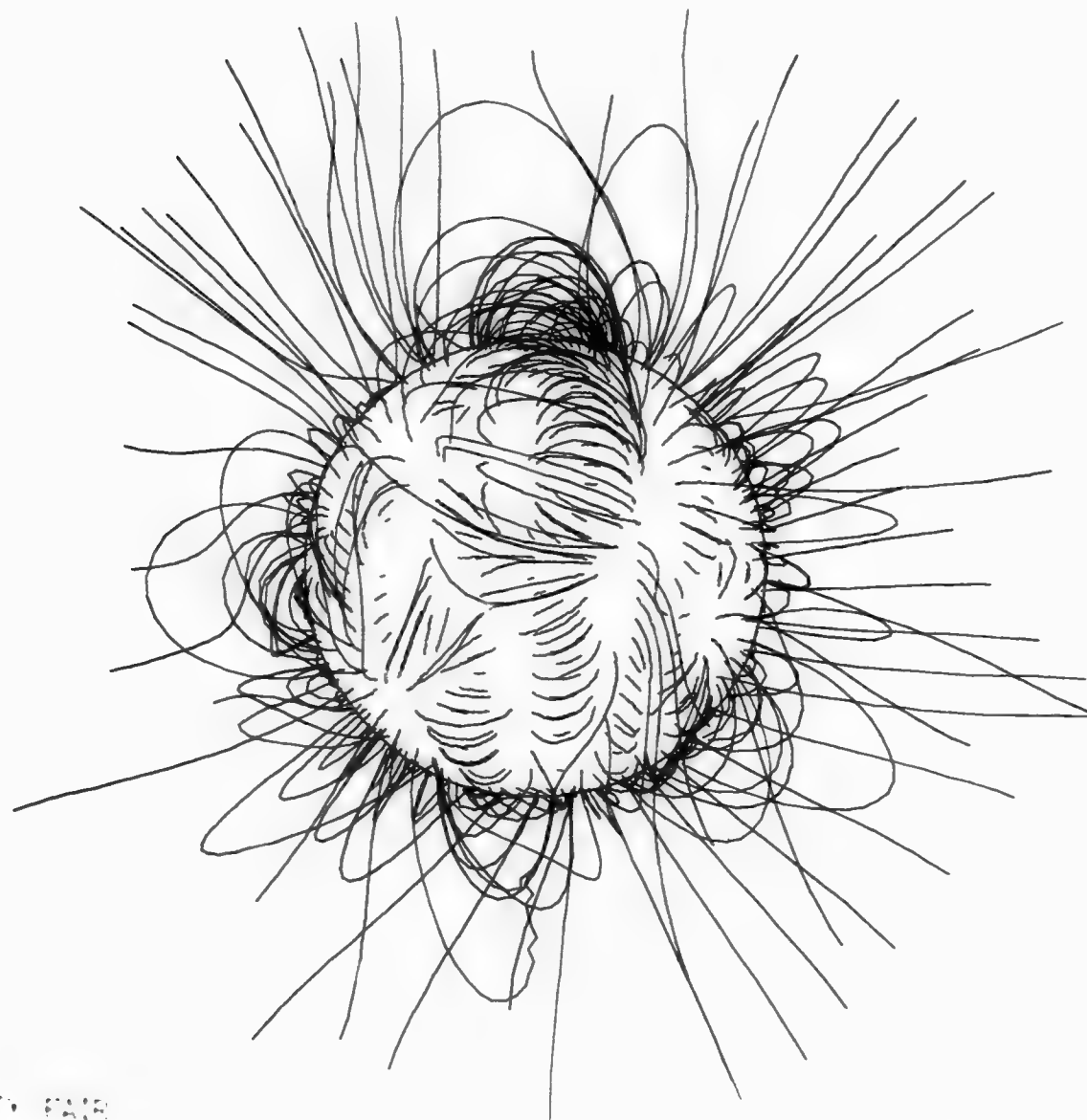
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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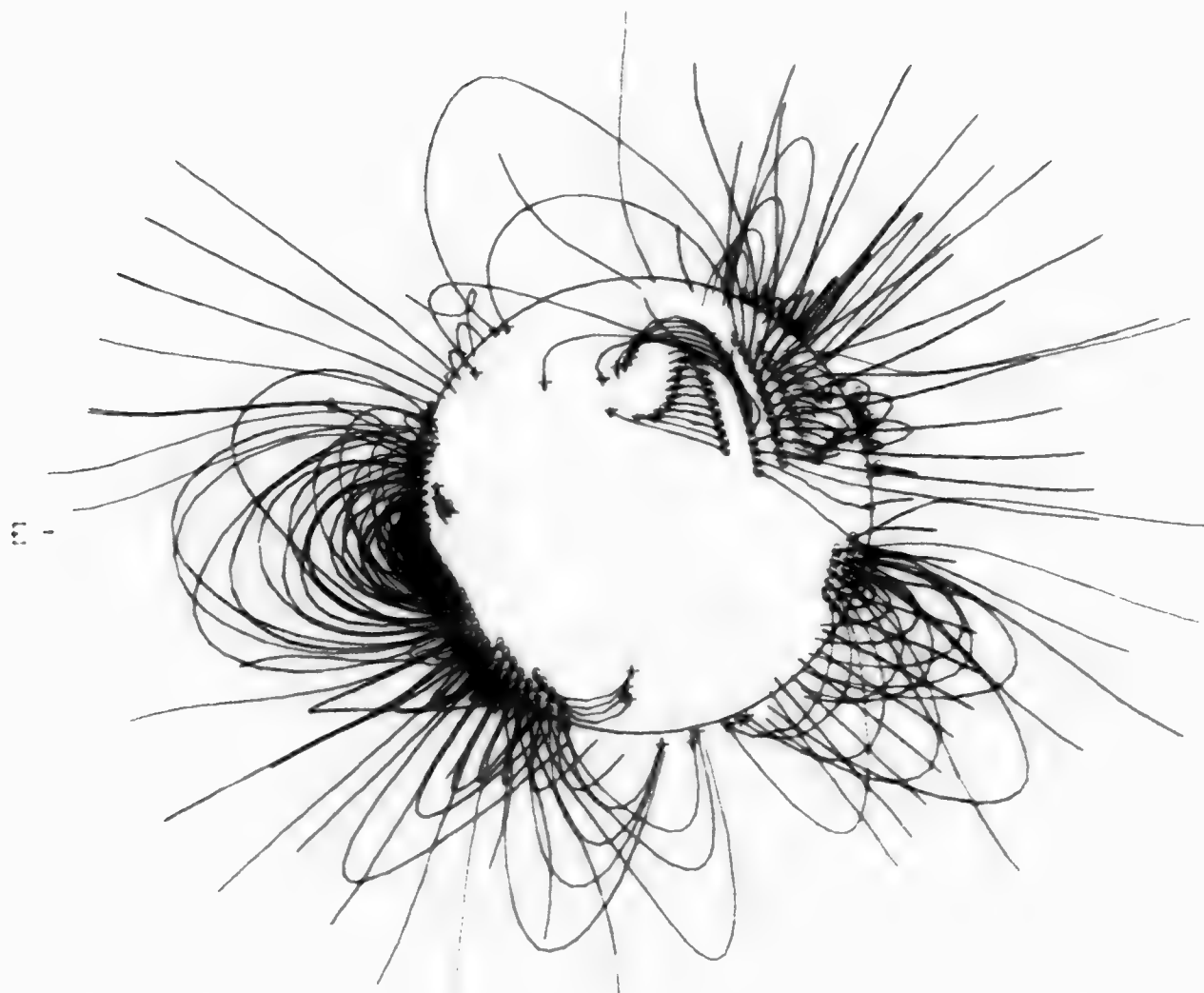
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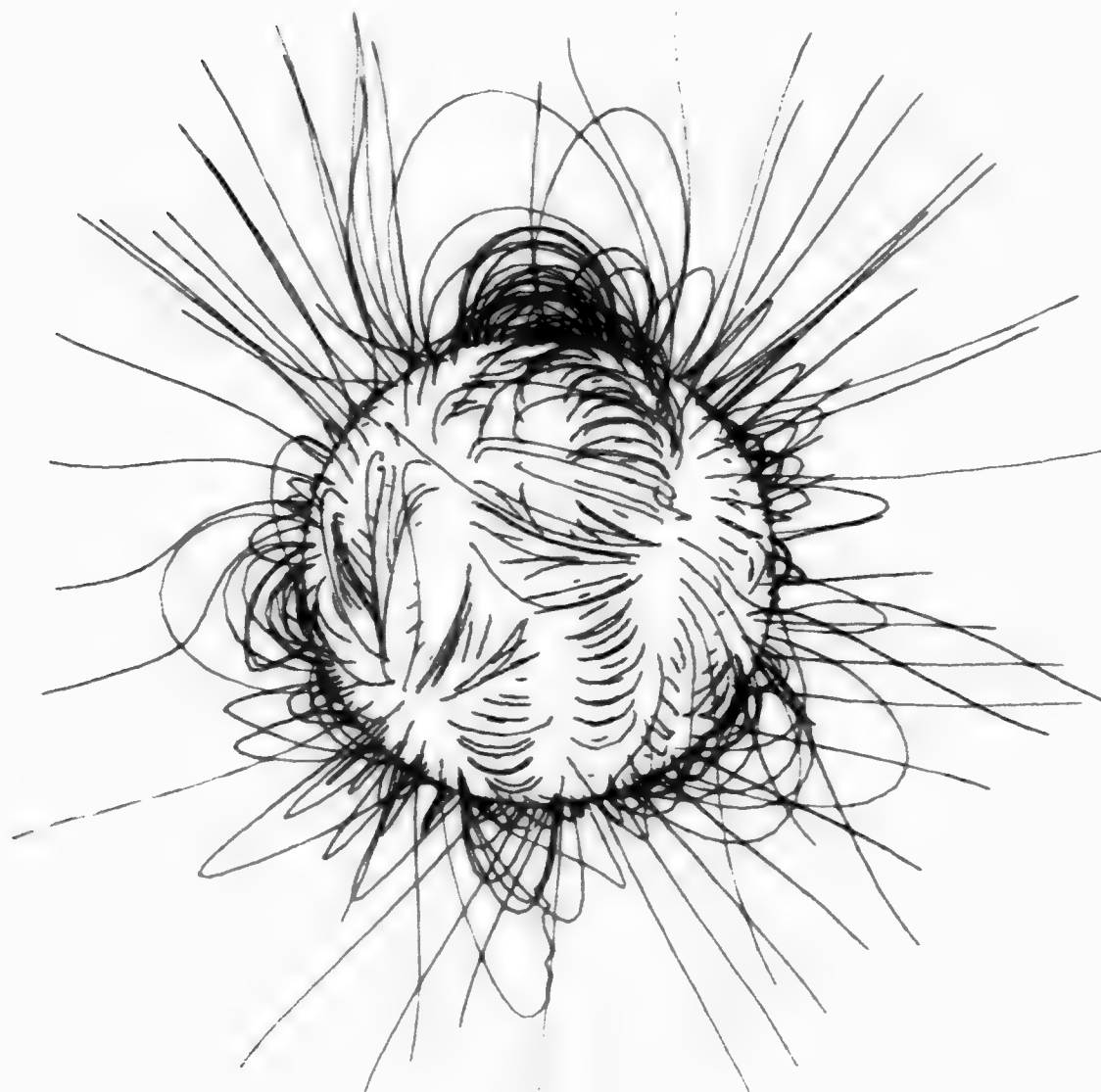
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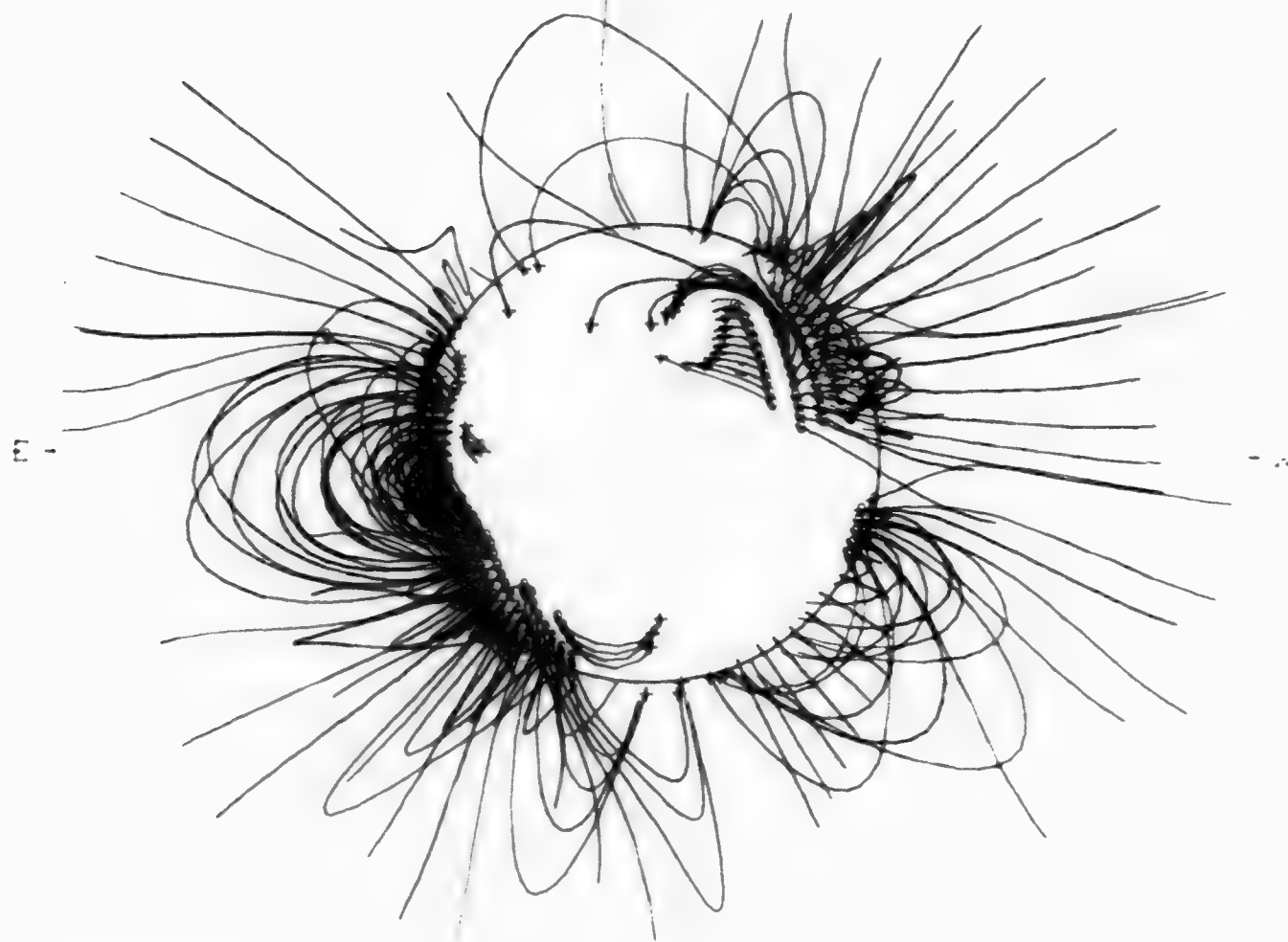
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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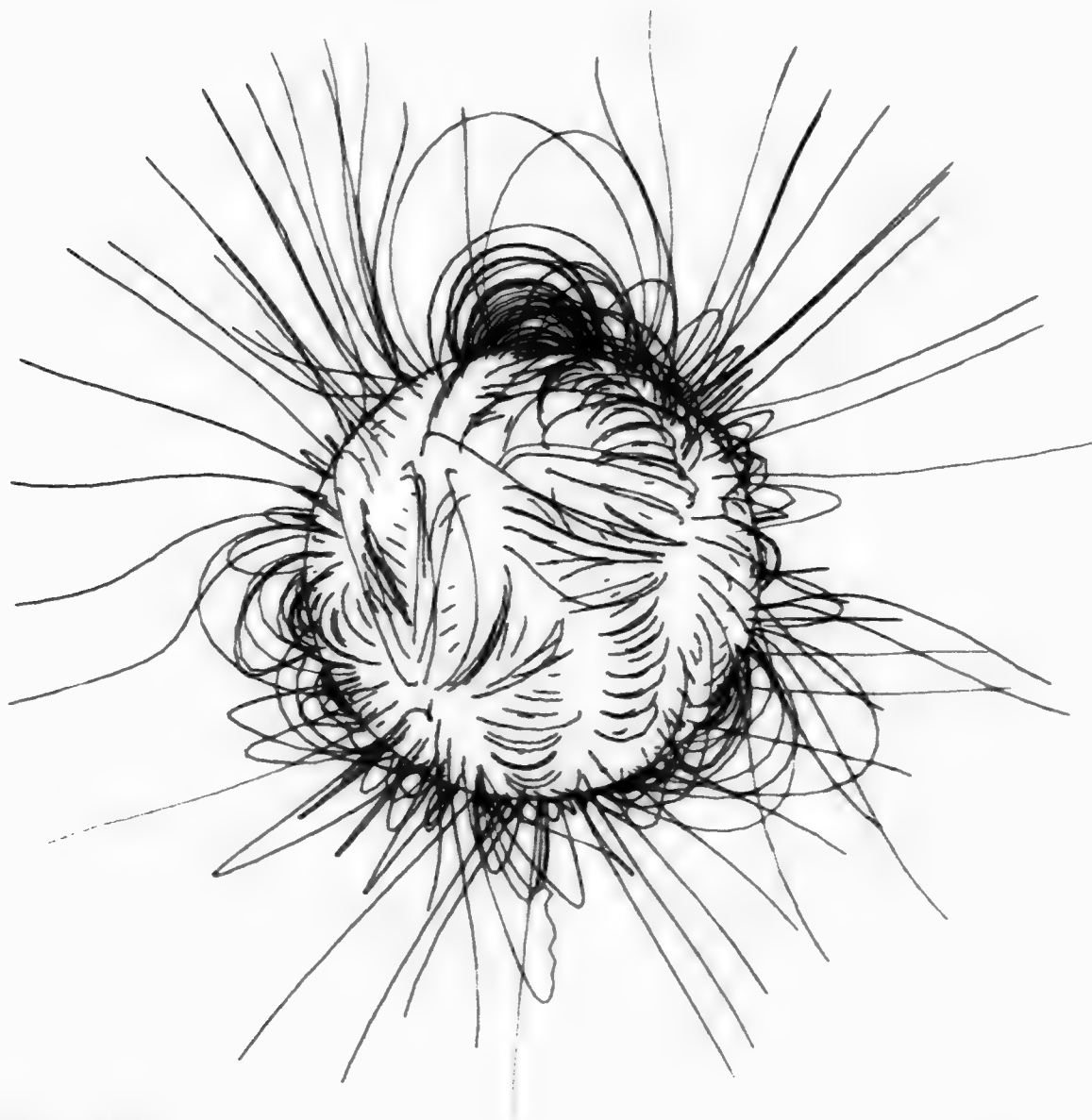
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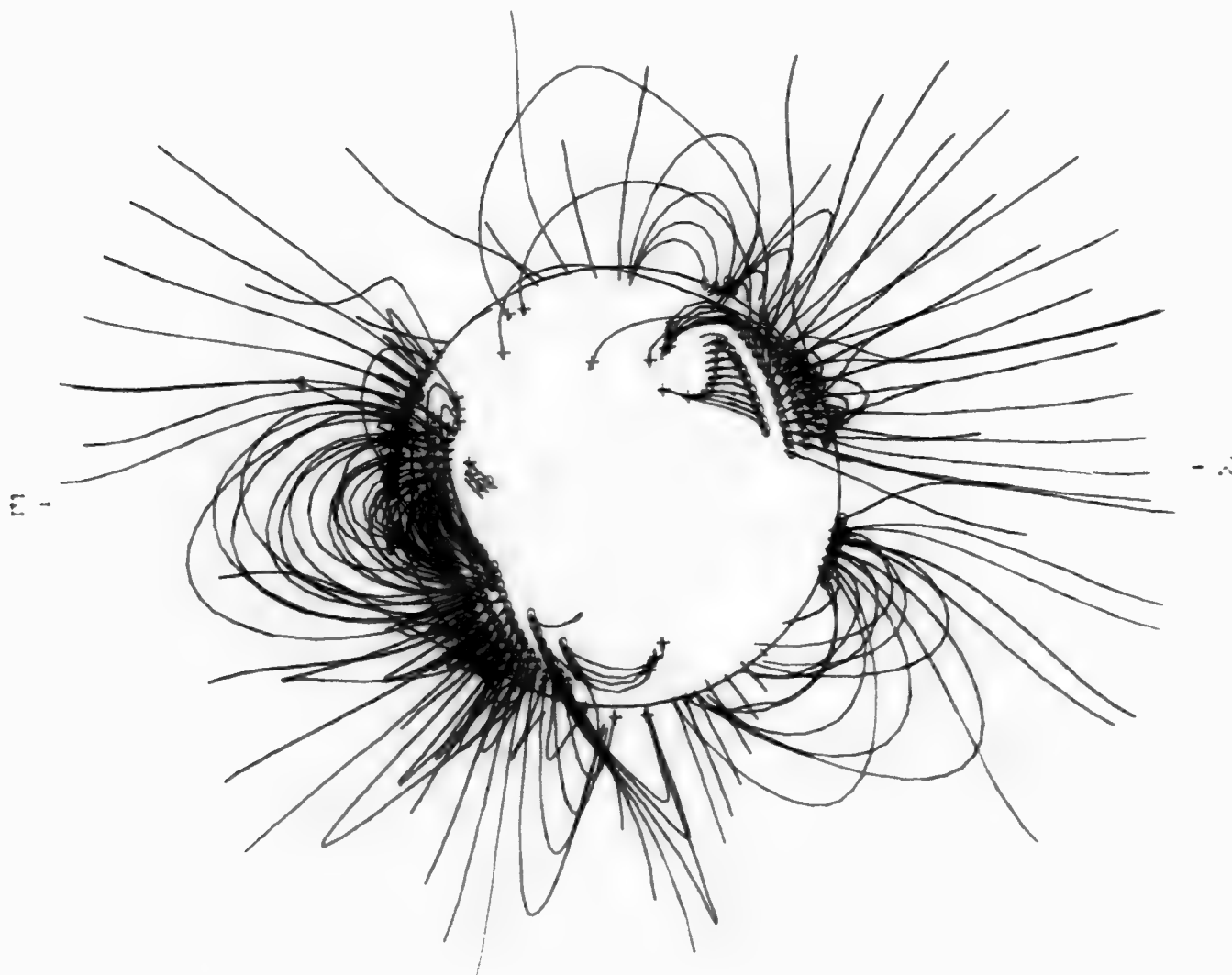
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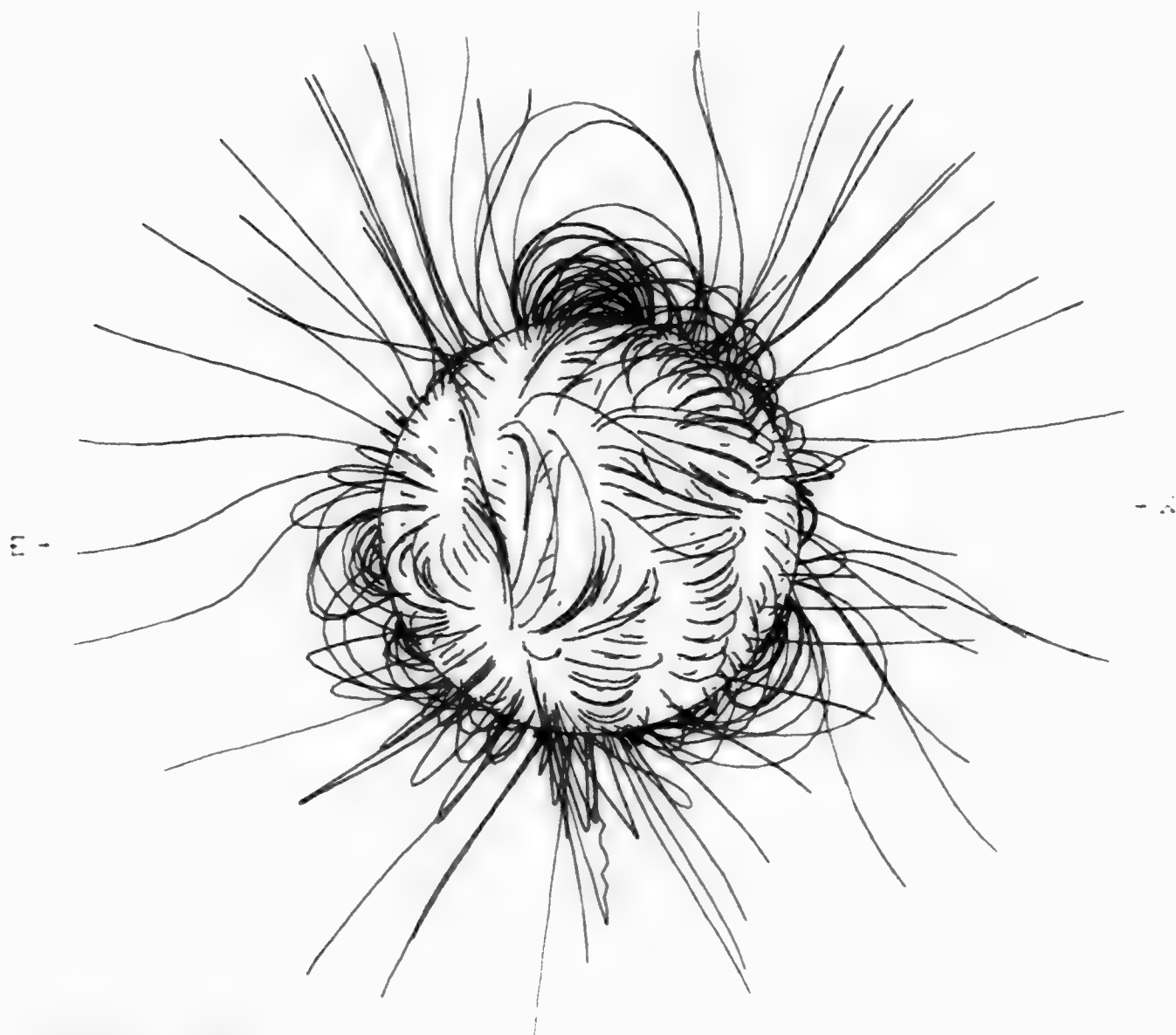
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 PAGES DIRECT
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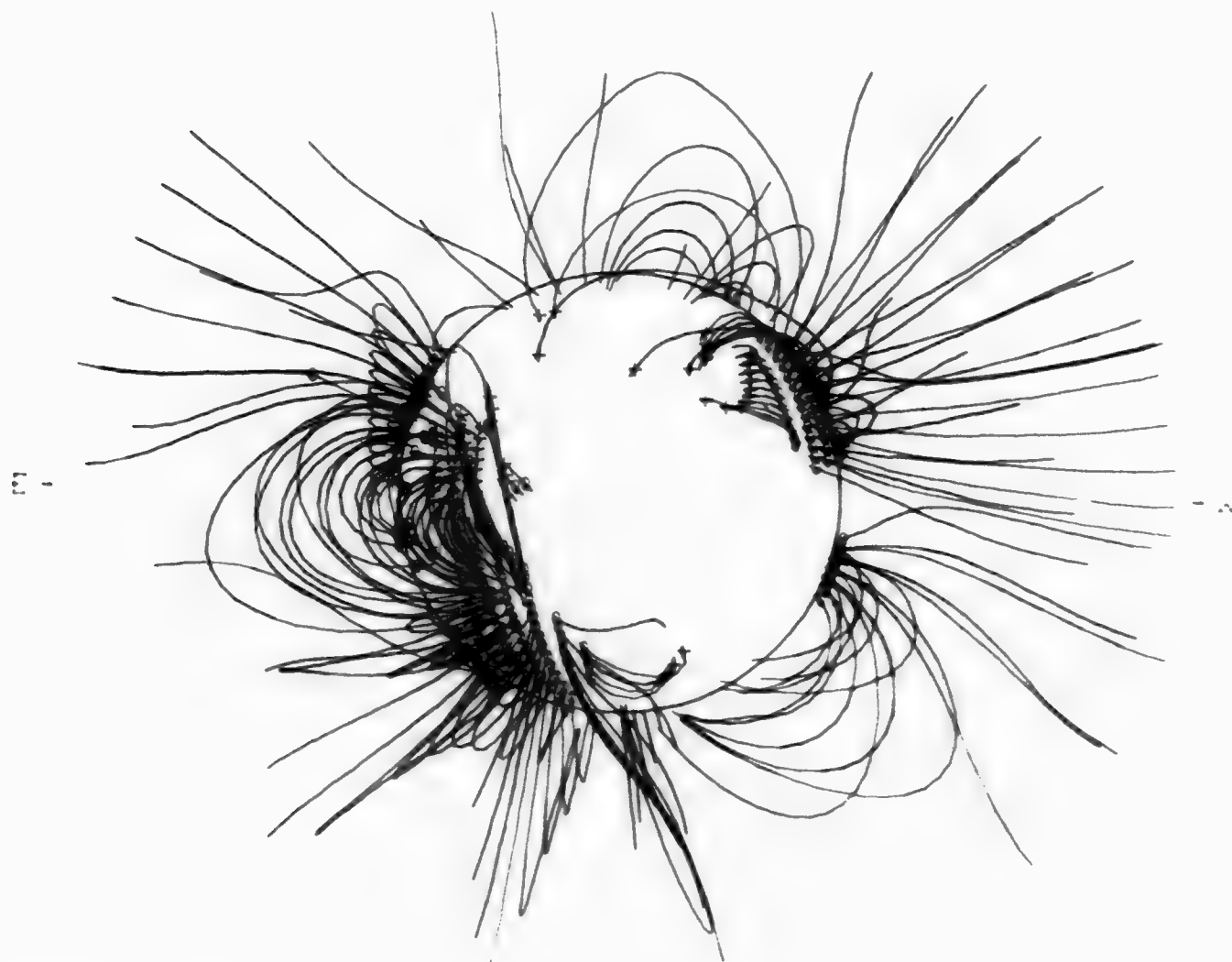
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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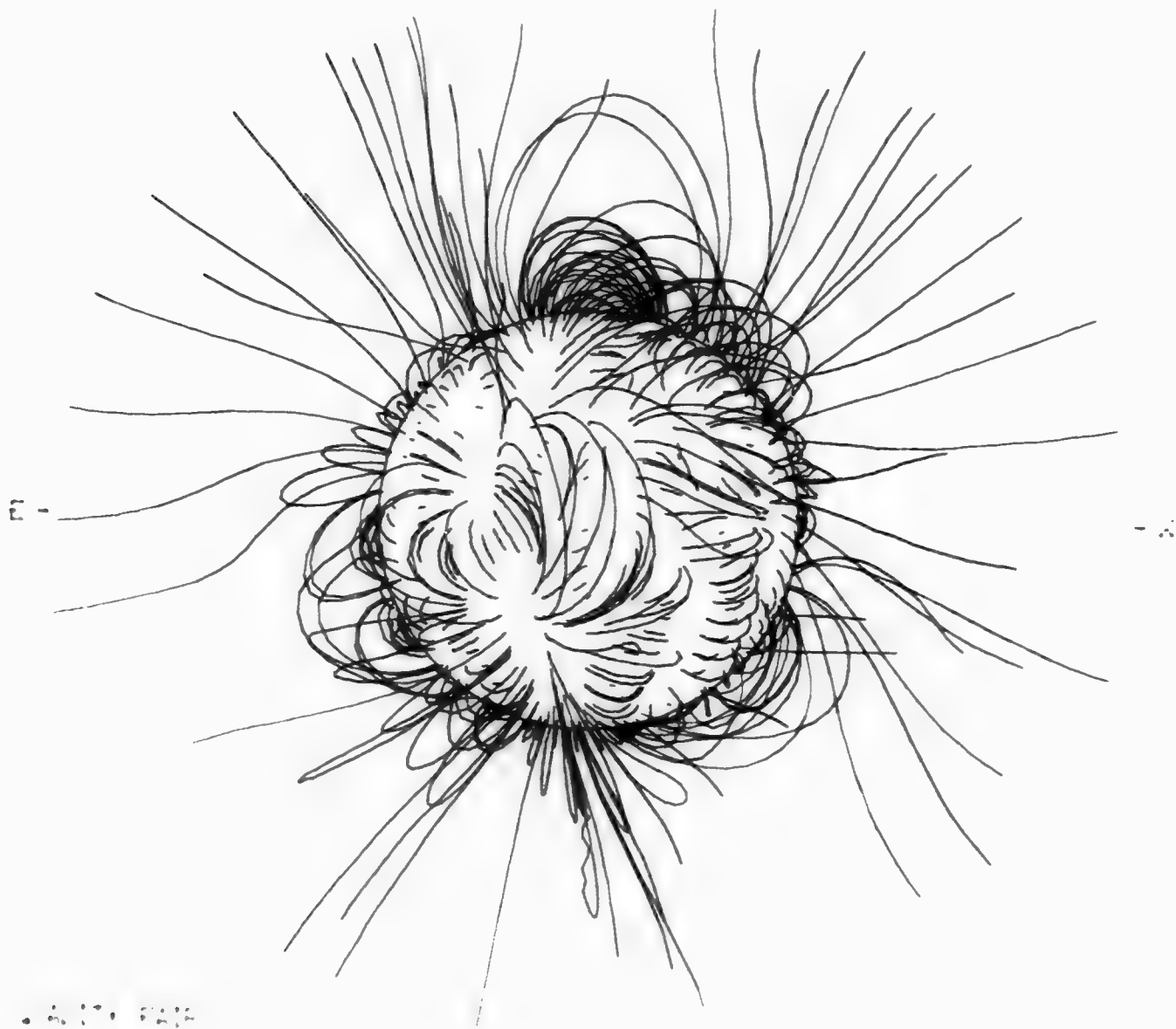
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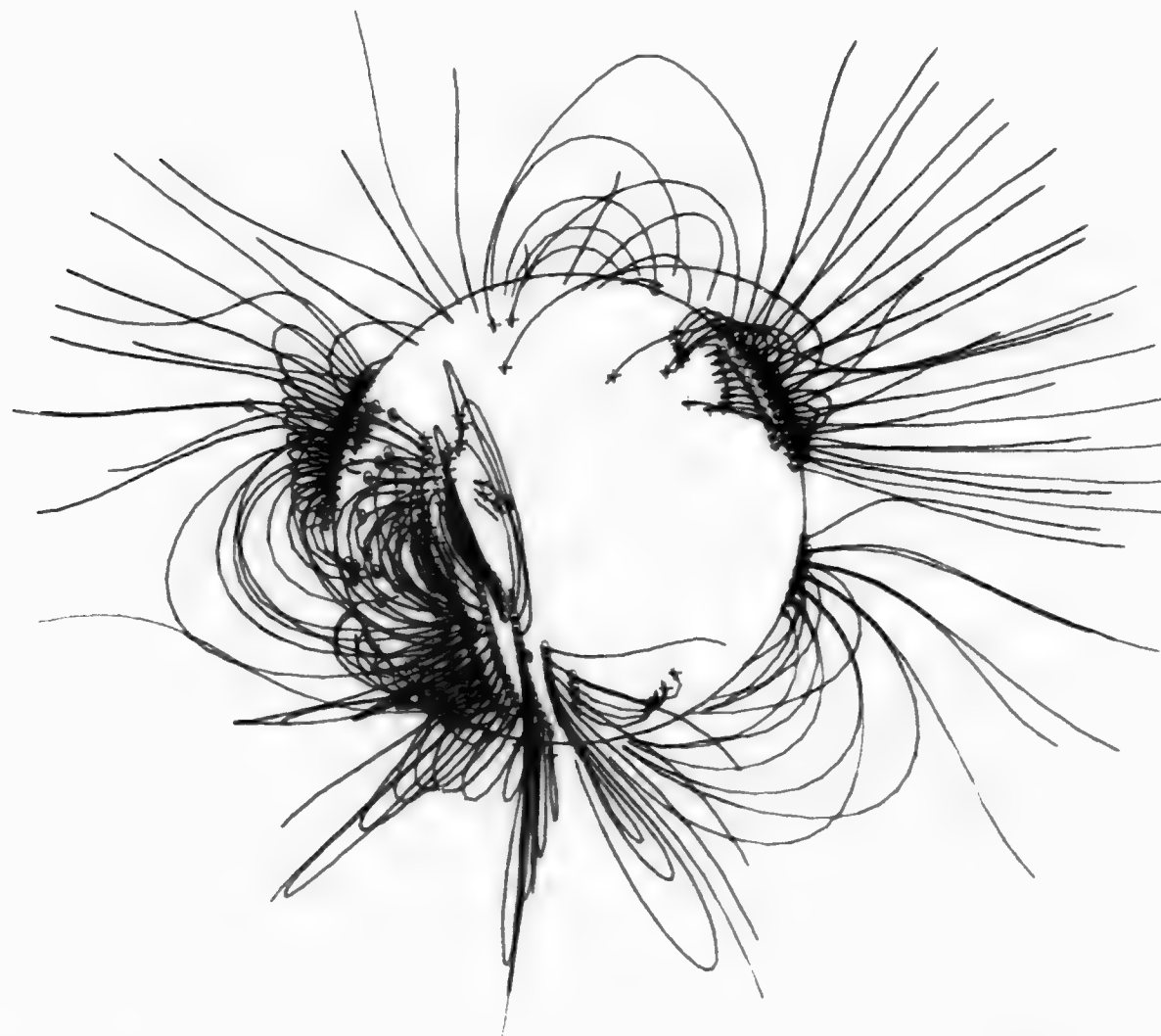
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

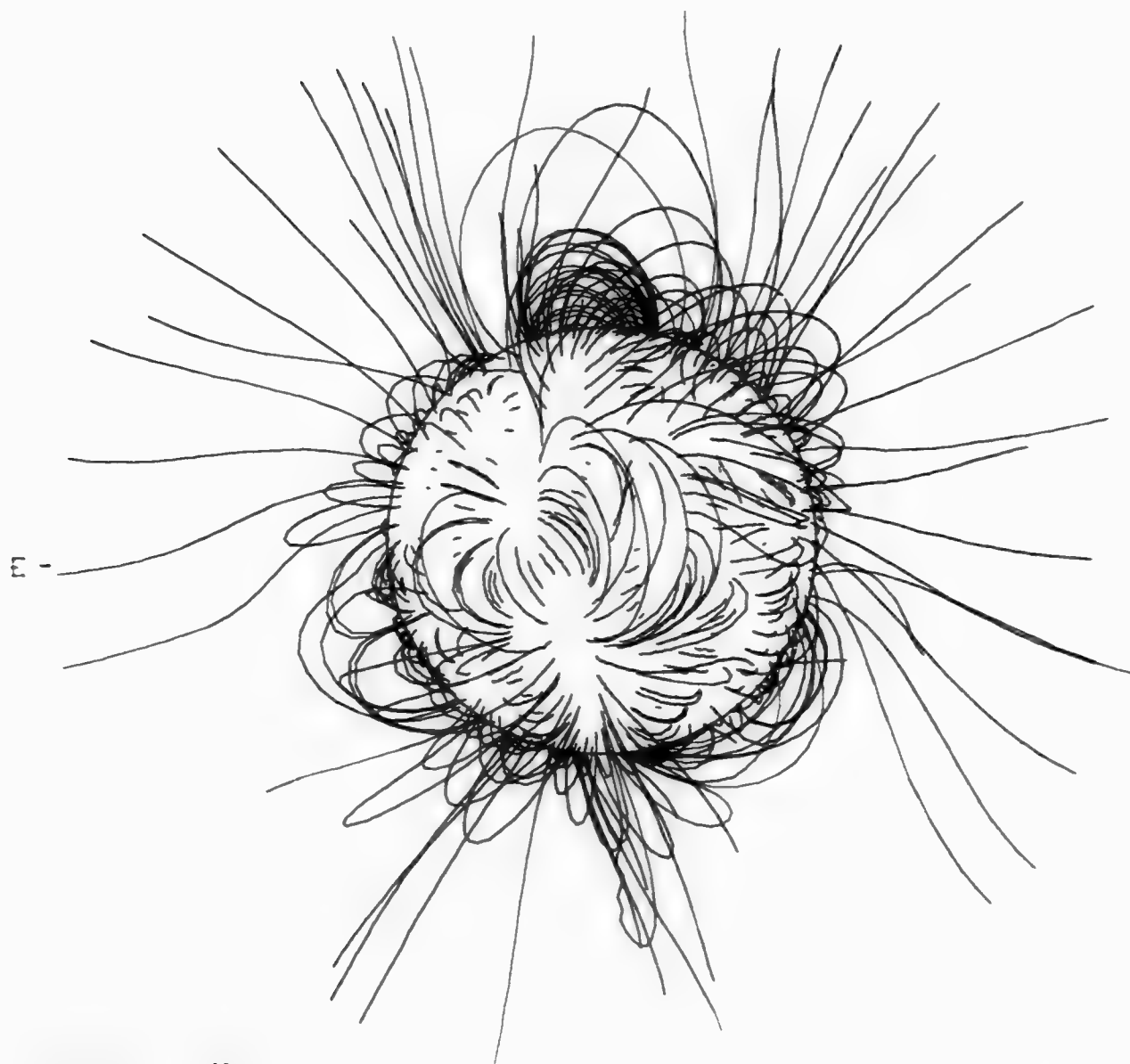


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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

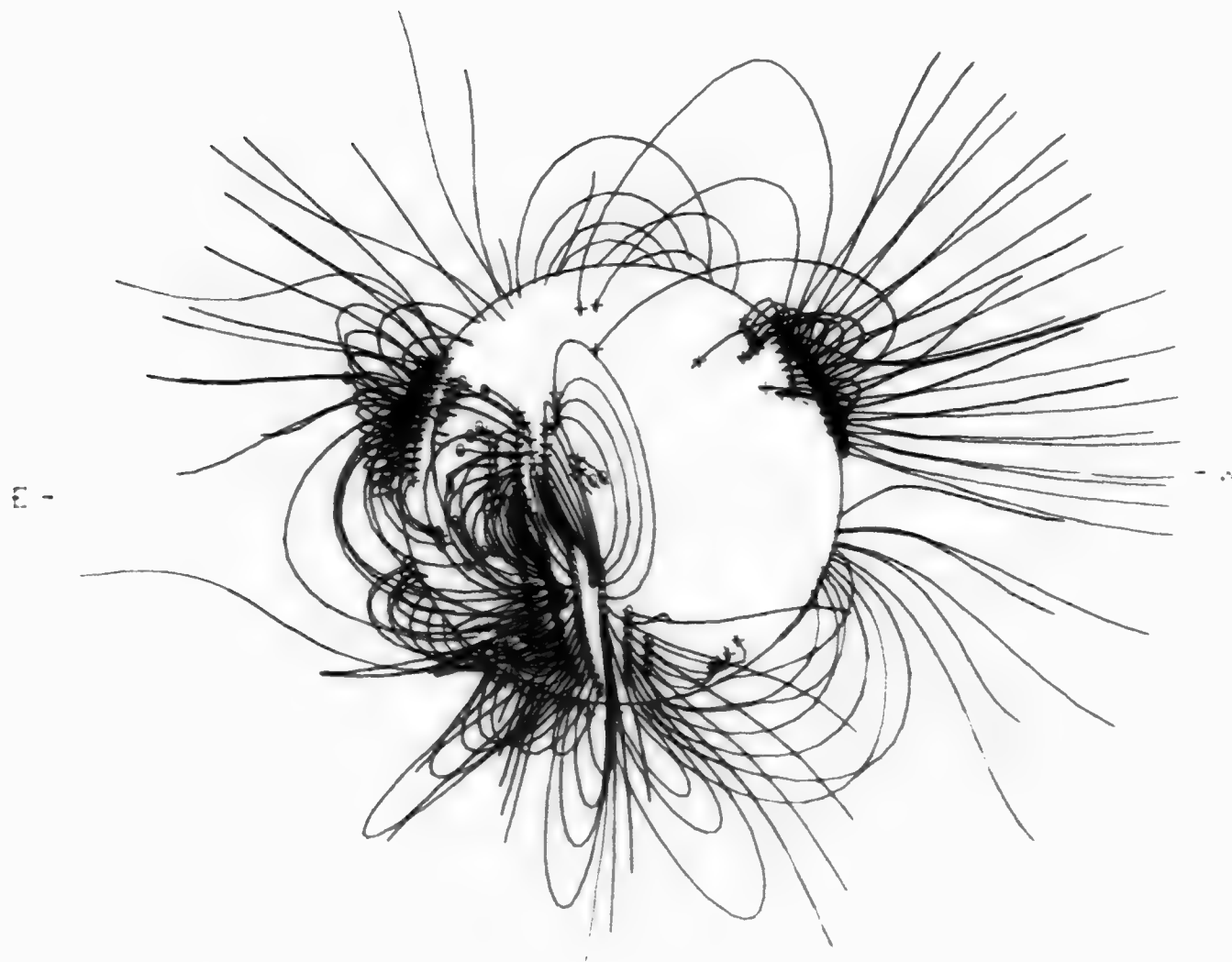
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HALE, PAIR
POLES DIRECTIONS
DATA JAN 1963.00

HALE, PAIR
POLES DIRECTIONS
DATA JAN 1963.00

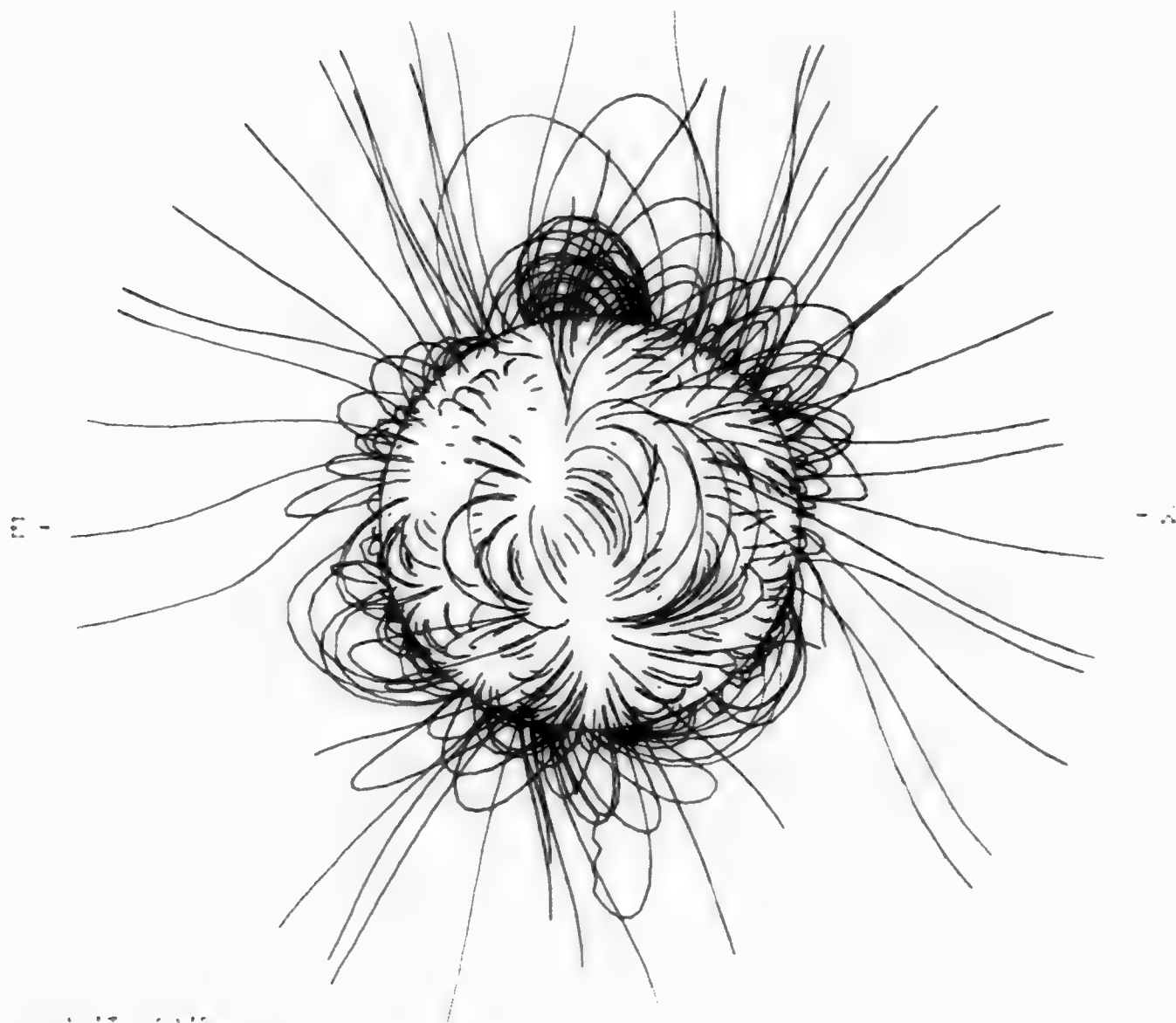
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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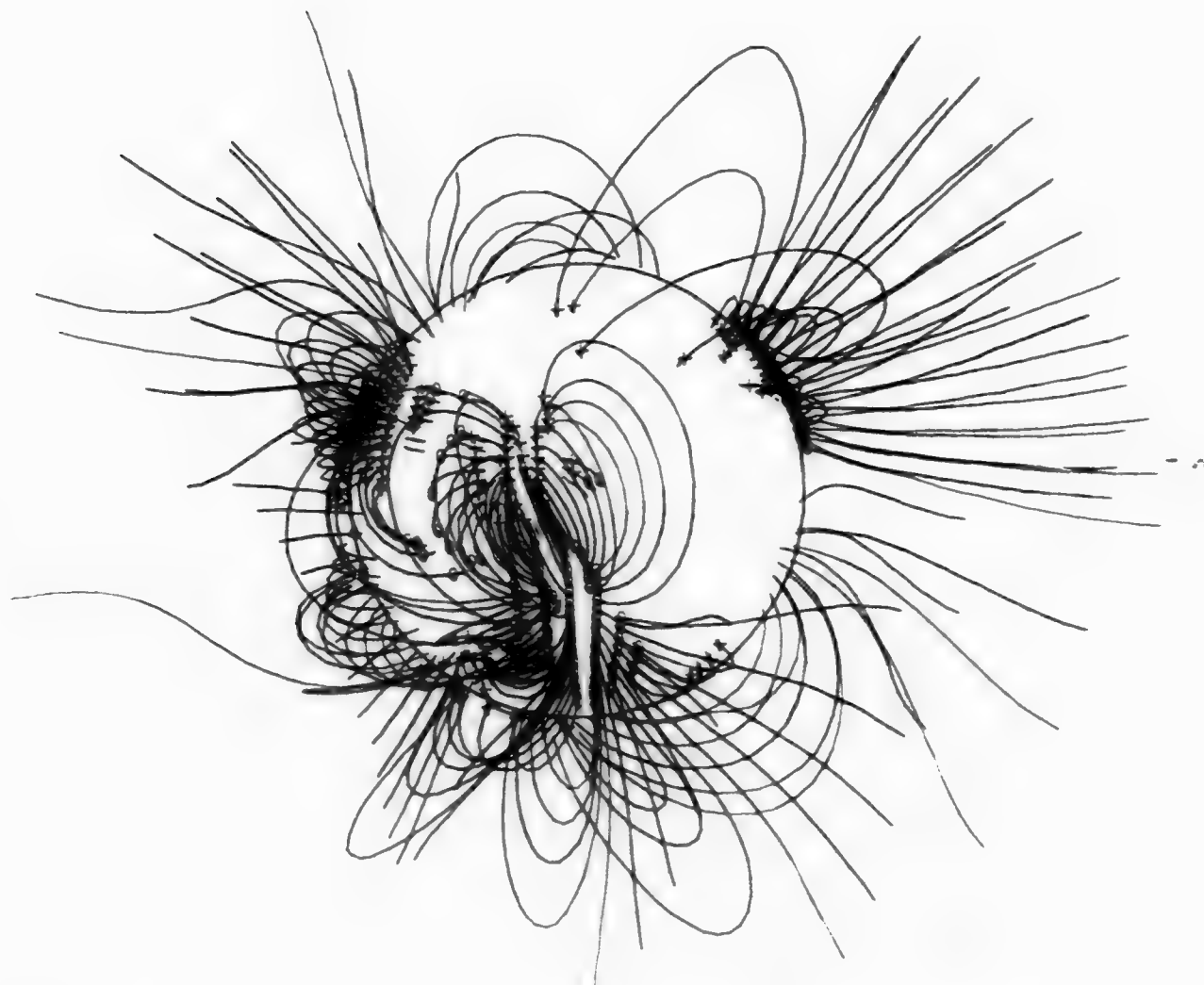
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES 1000 - 1000
 DATA 1000 - 1000

HALE OBSERVATORY
 PAGES 1000 - 1000
 DATA 1000 - 1000

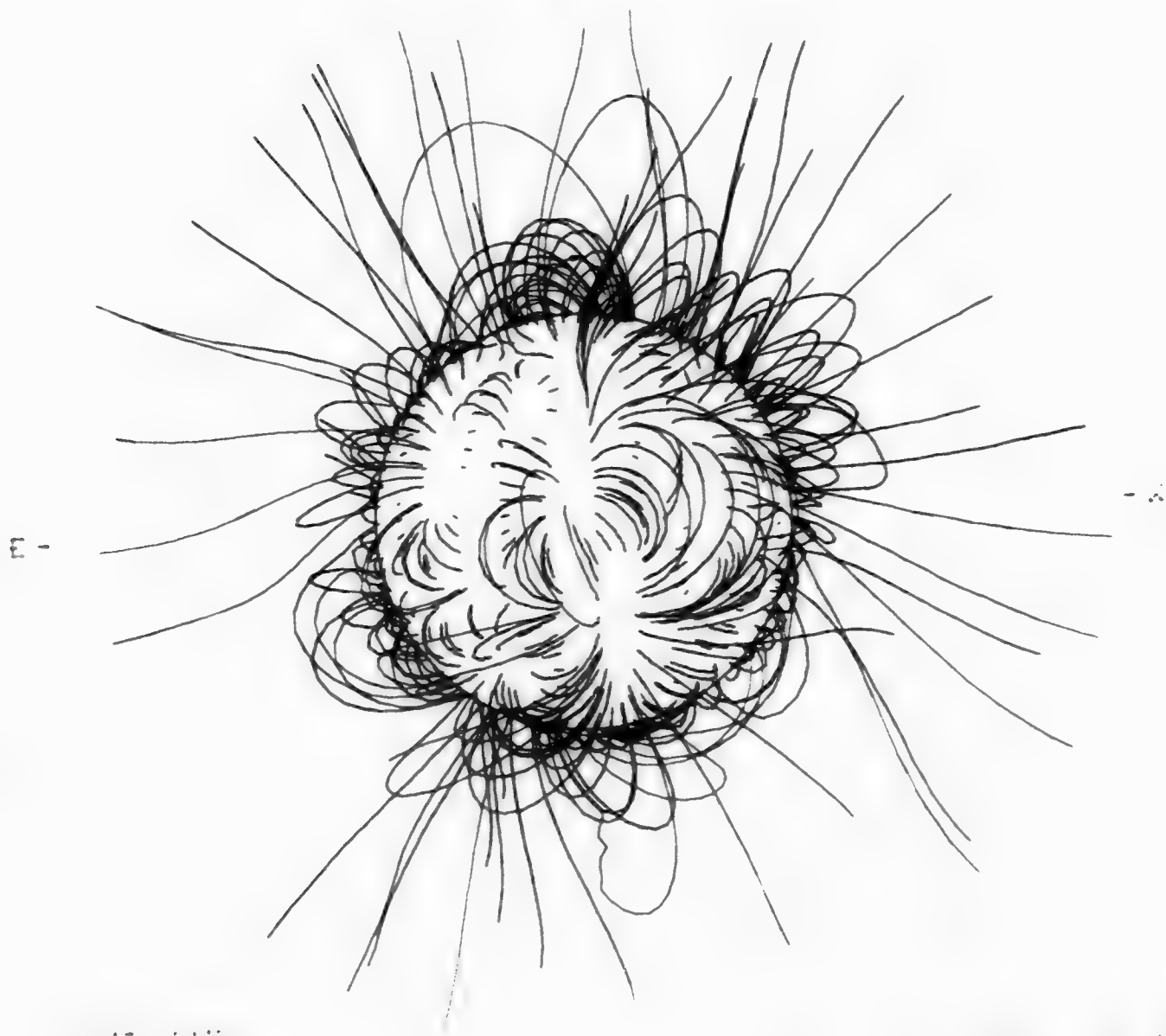
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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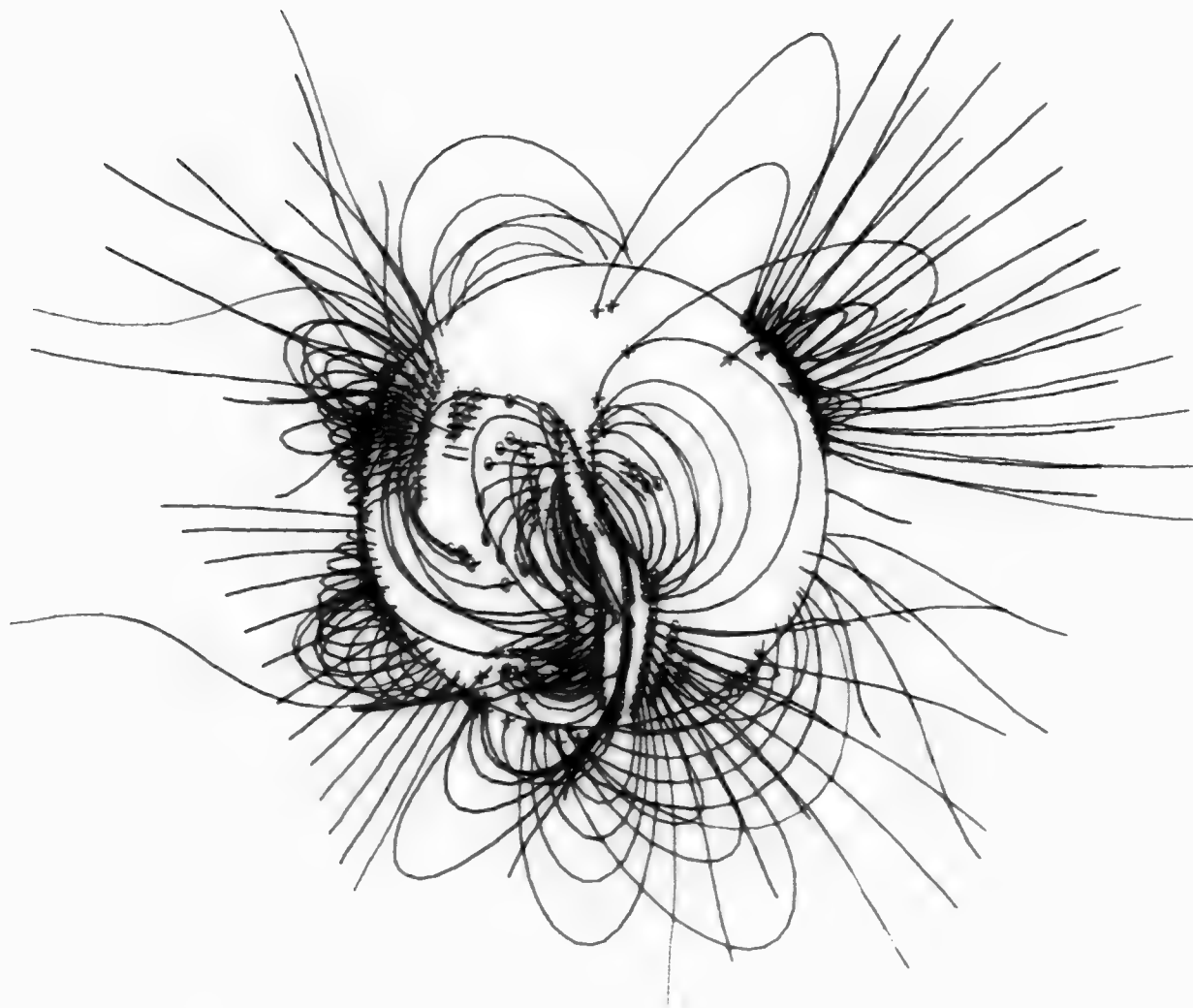
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA 1974
PAGES 1-10
DATA 1974-1975...

ALPHA 1974
PAGES 1-10
DATA 1974-1975...

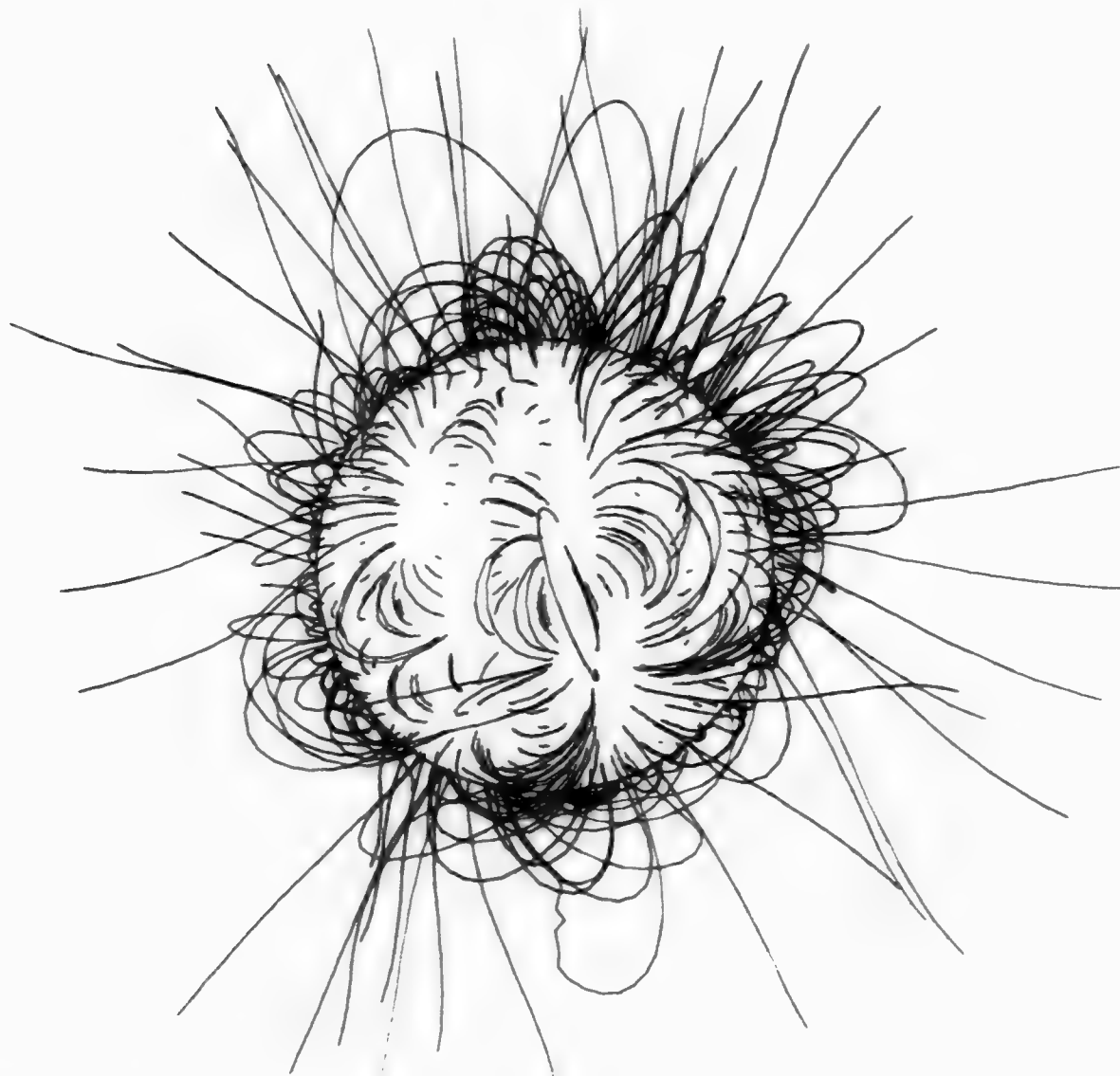
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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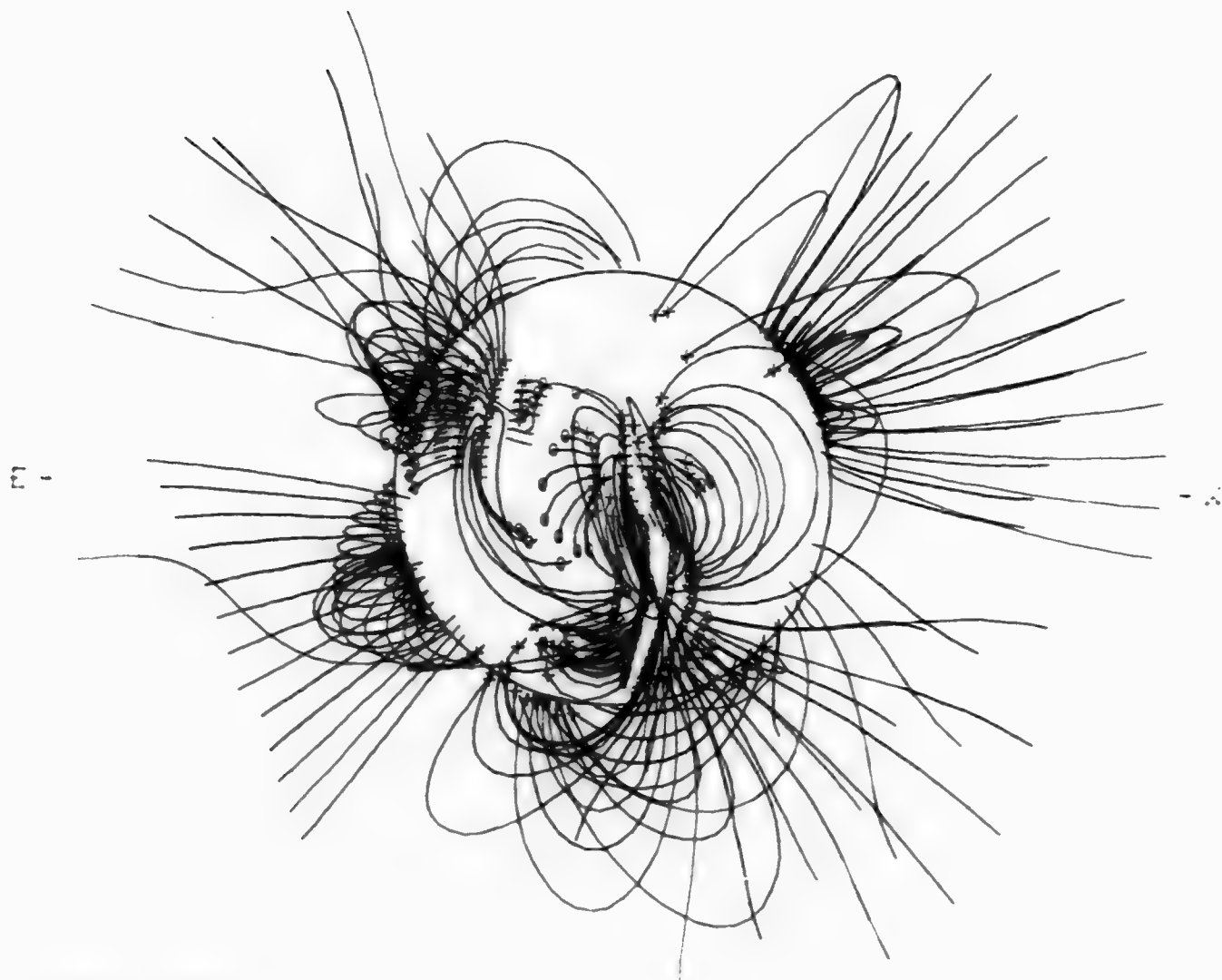
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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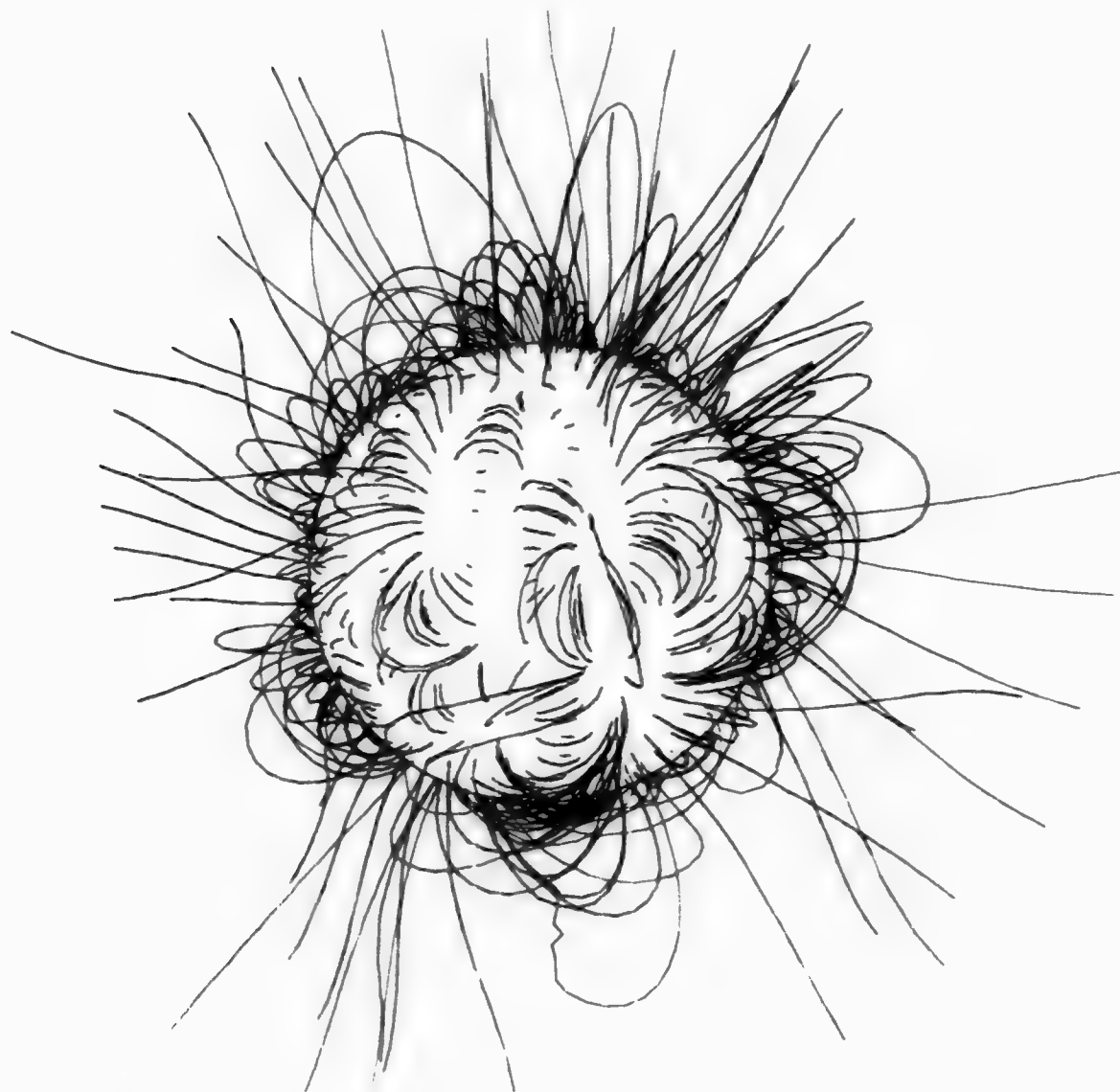
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 1964
 1964

HALE OBSERVATORY
 1964

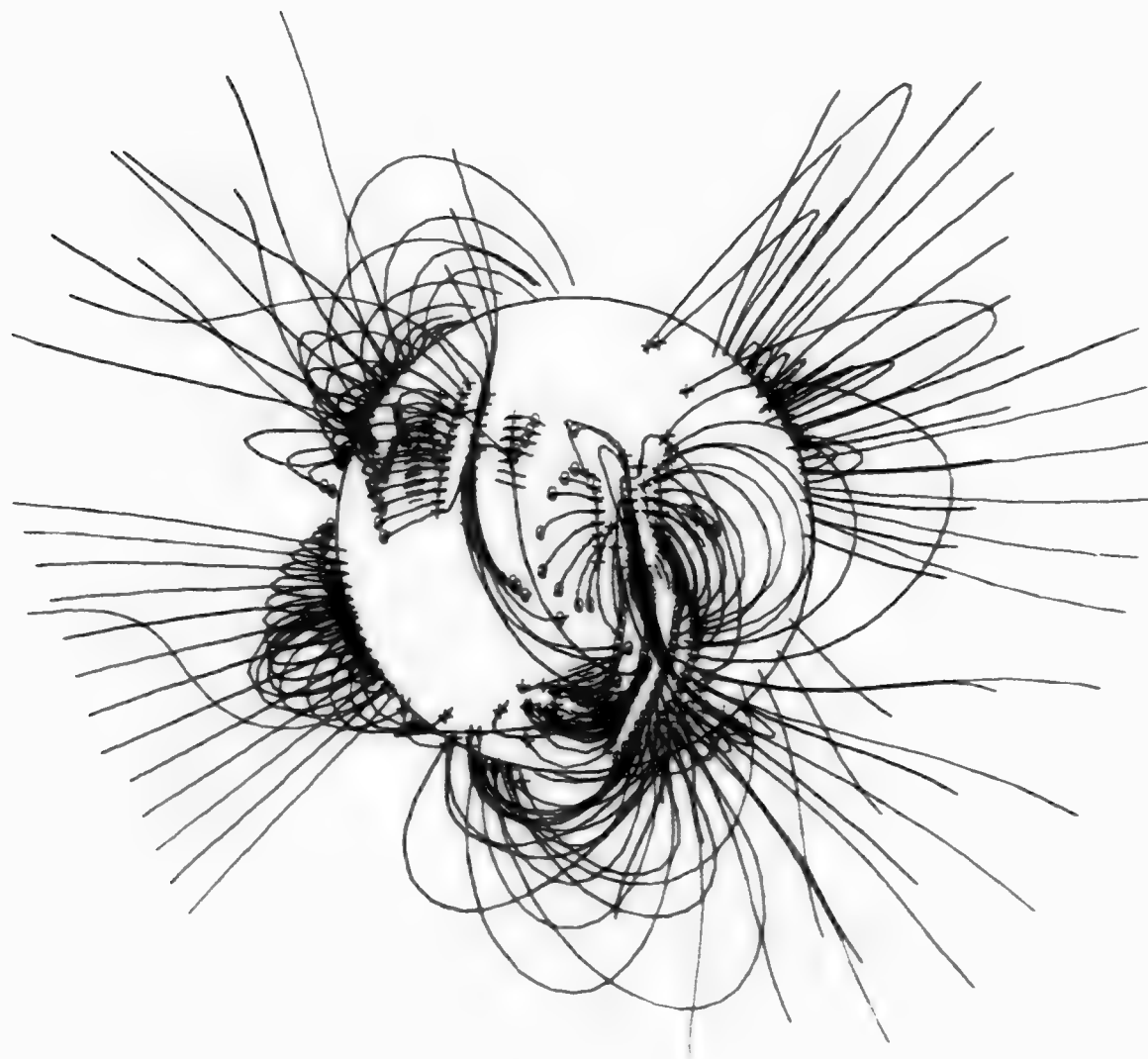
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

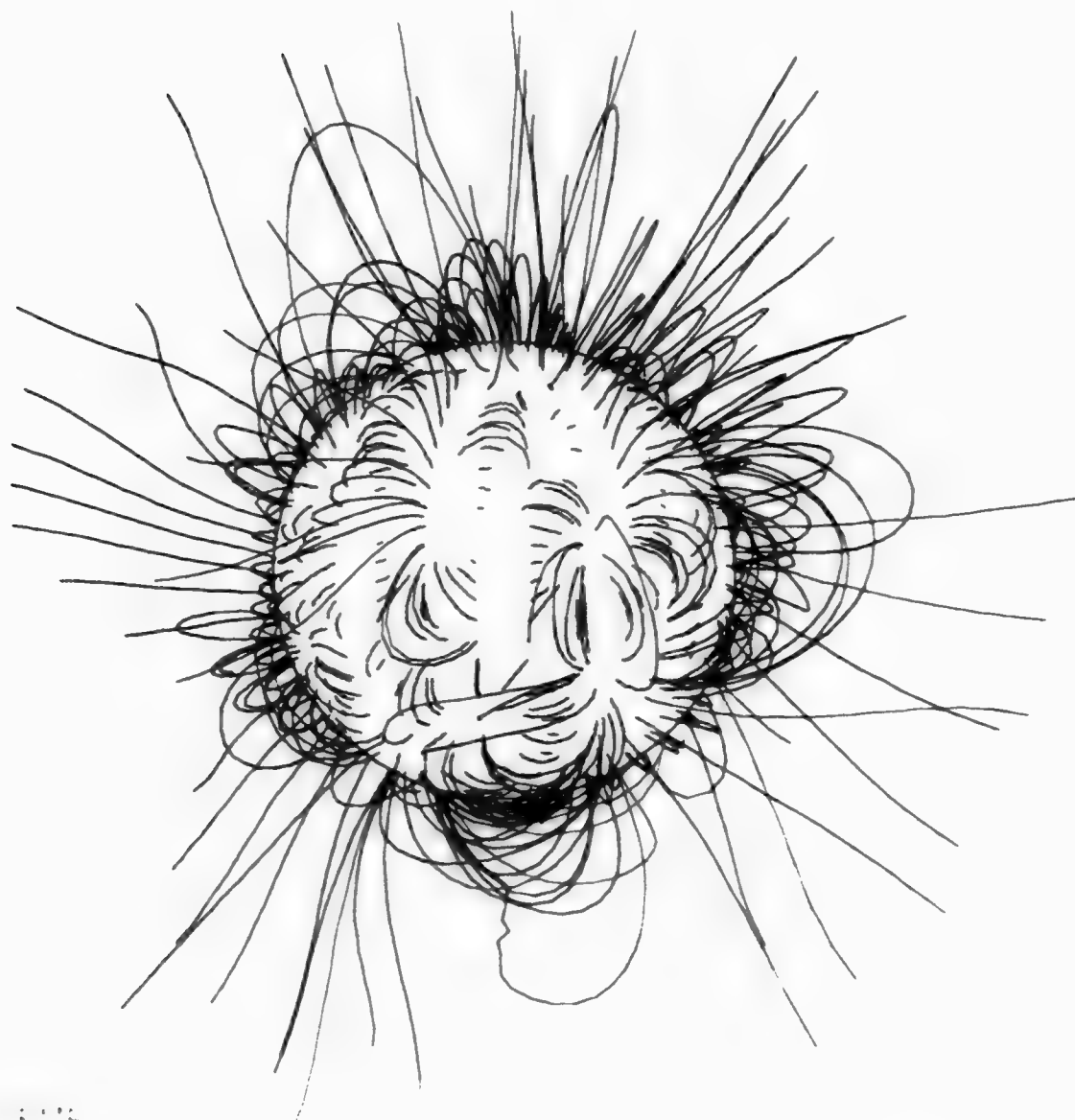
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
1953...

HALE
OBSERVATORY

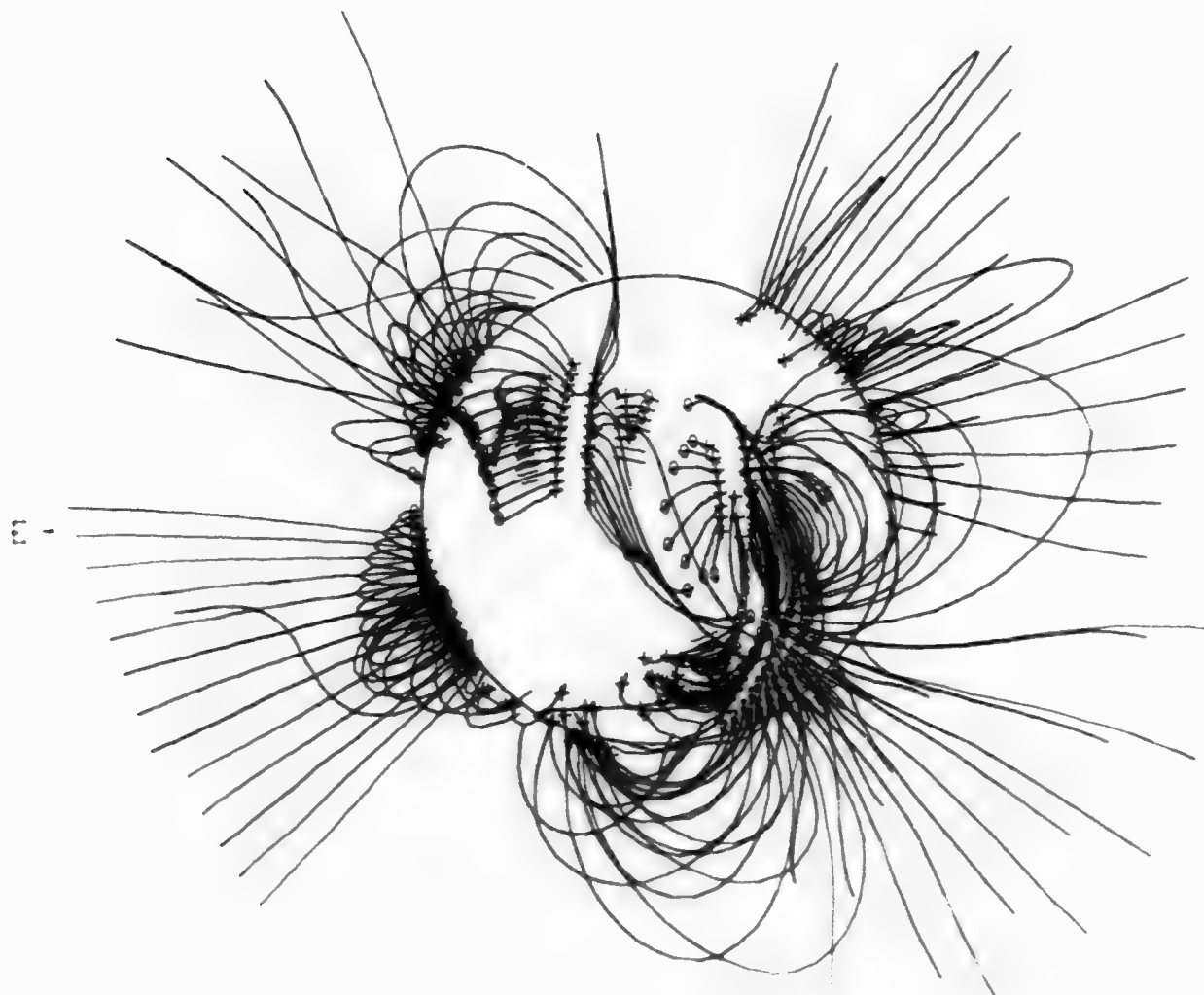
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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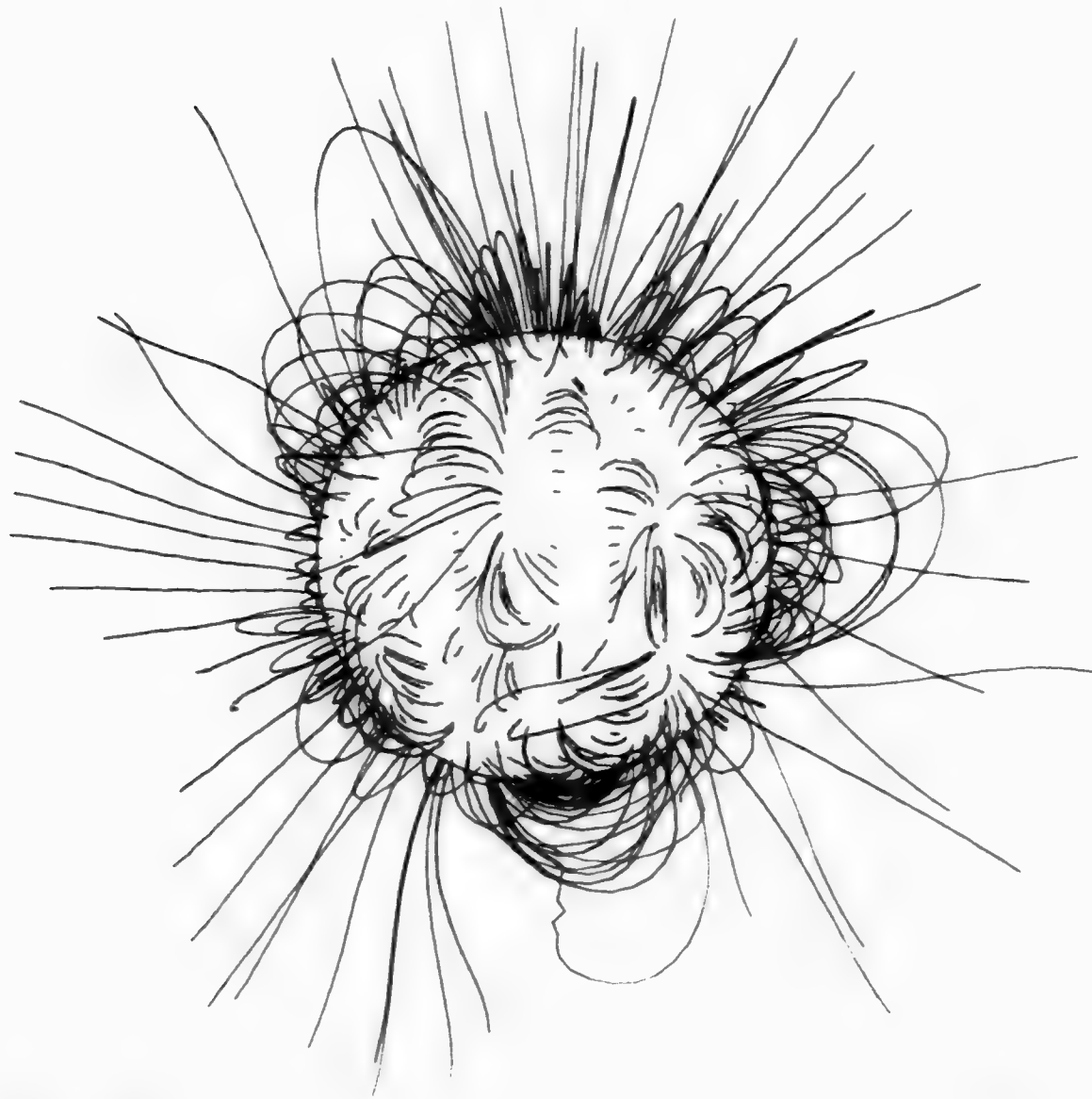
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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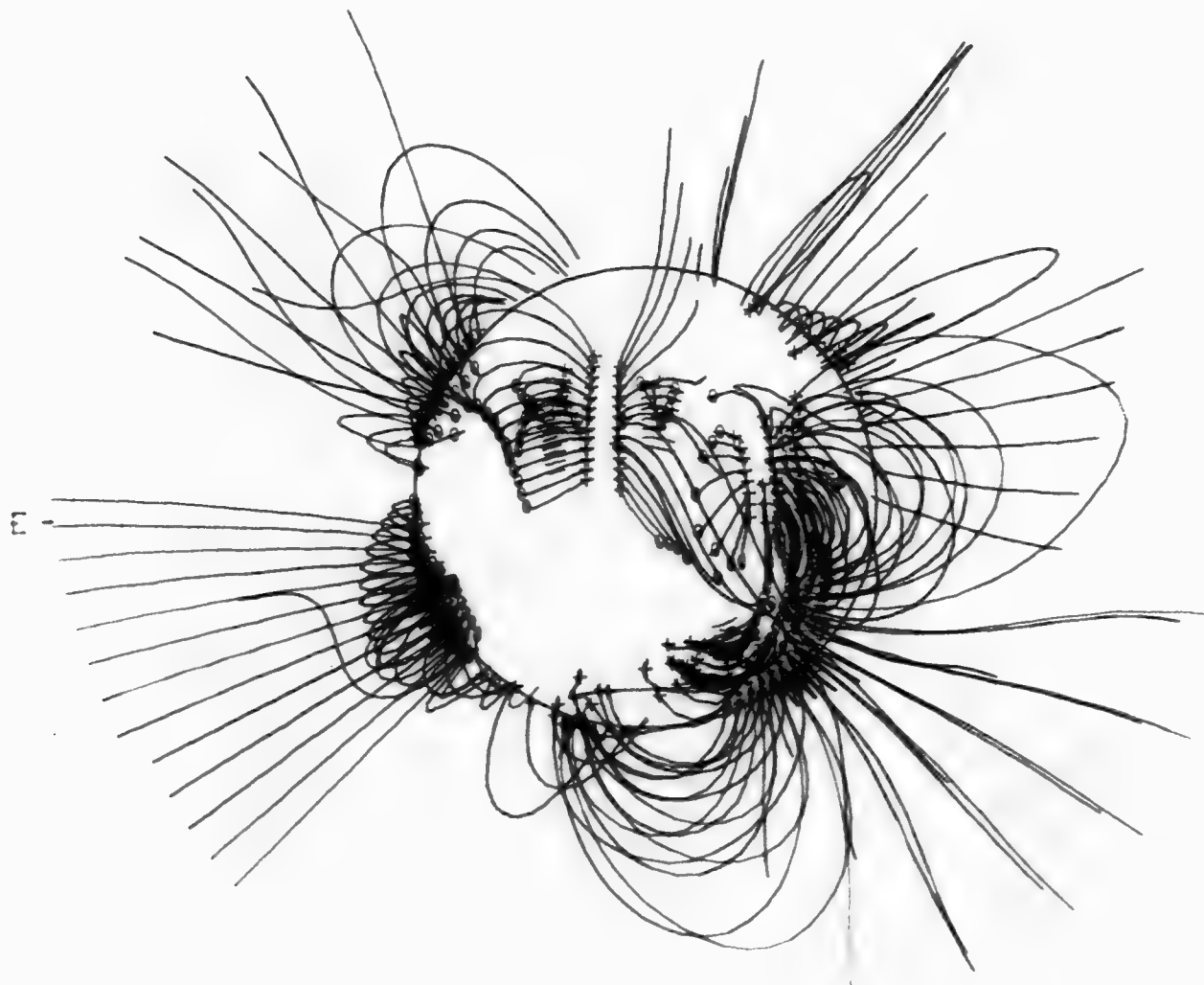
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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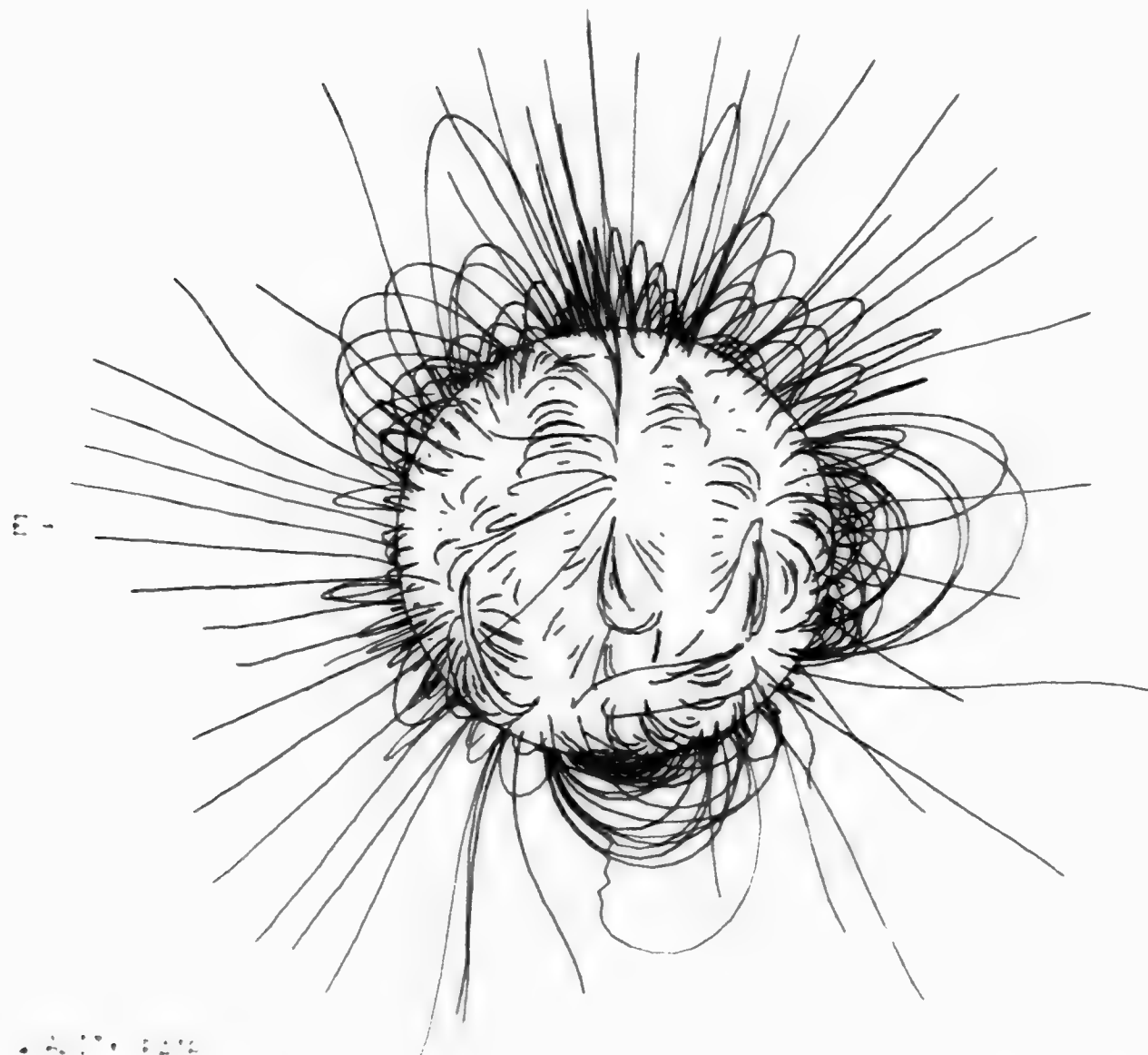
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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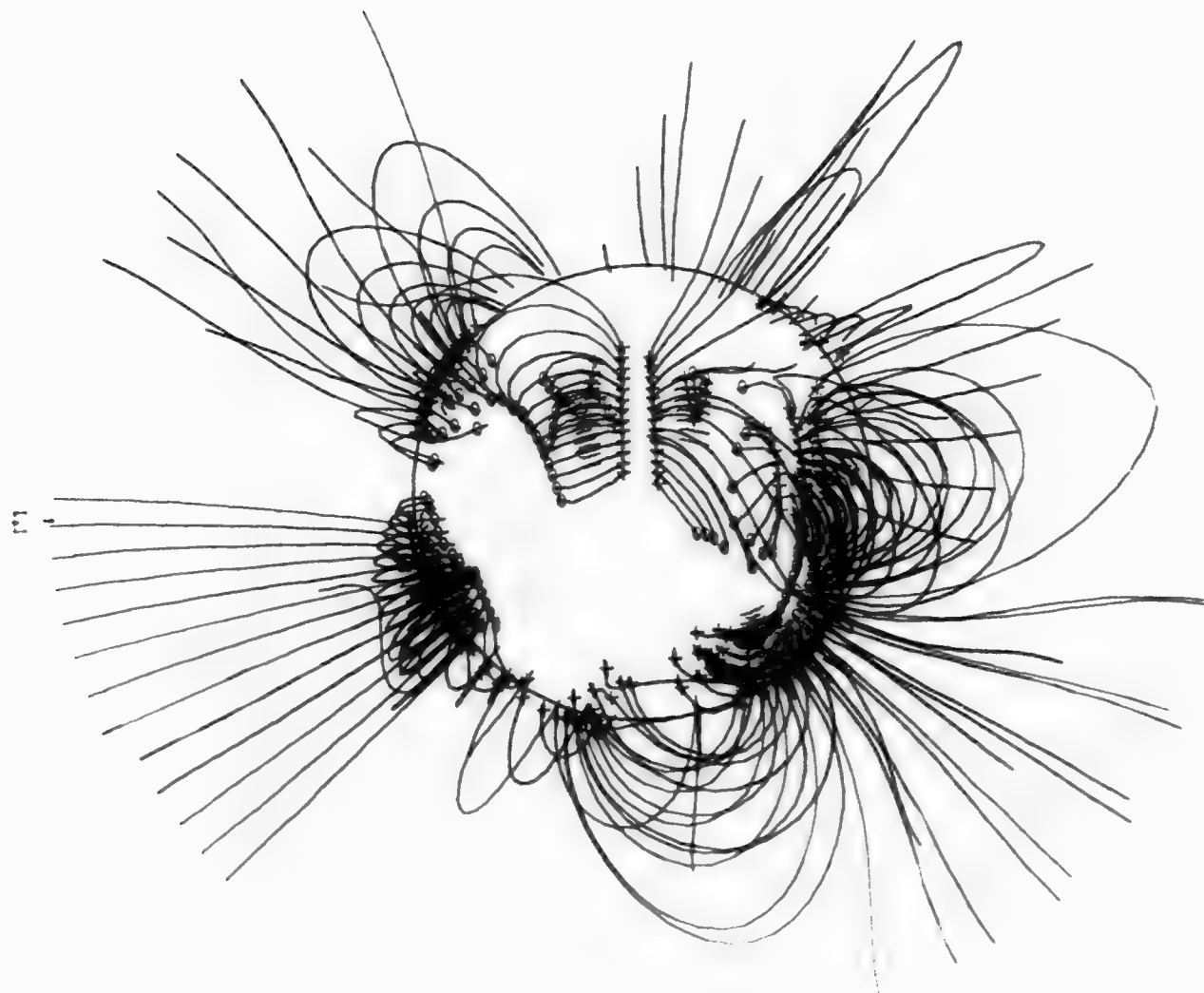
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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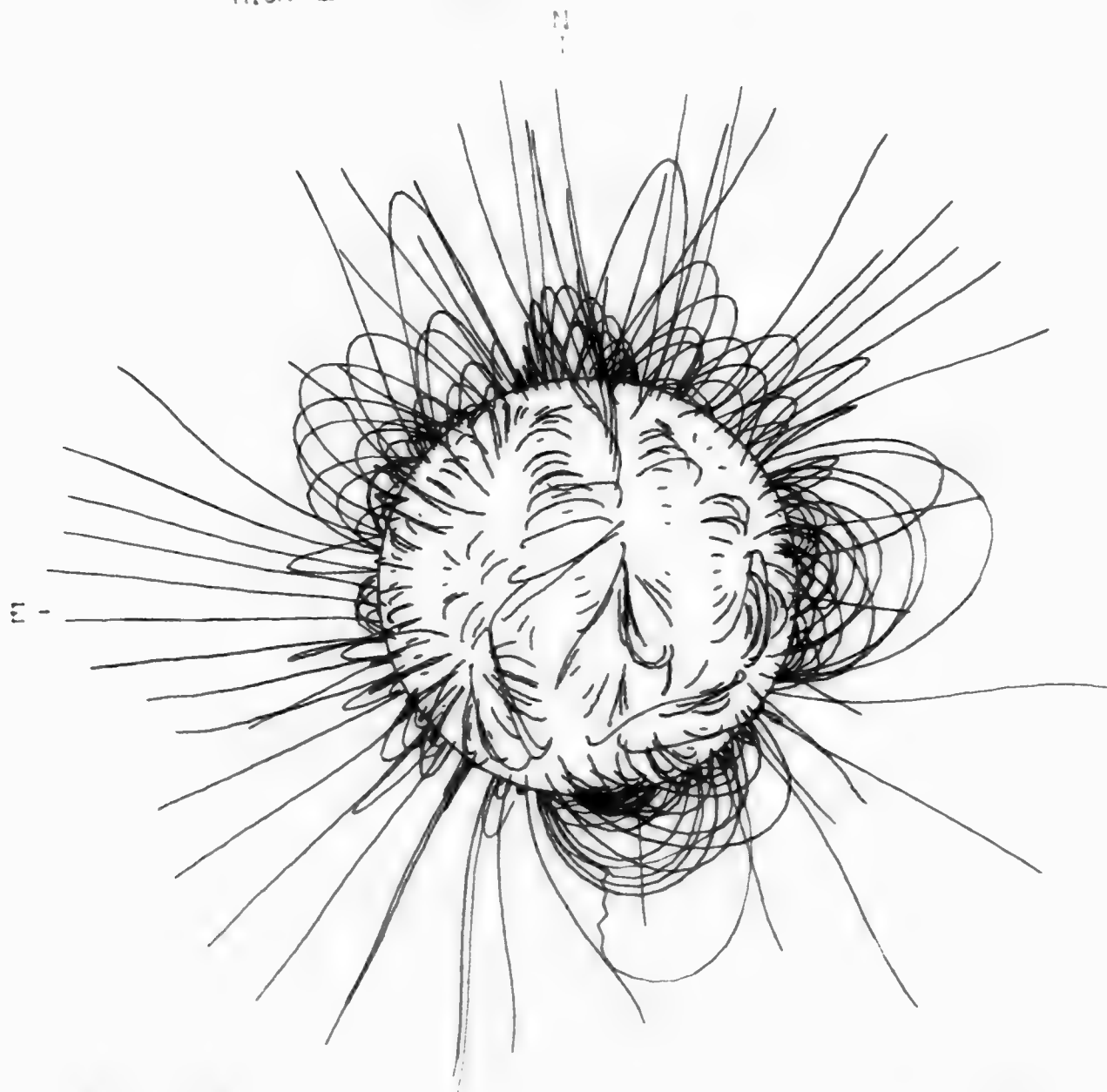
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 HAILE OBSERVATORIES

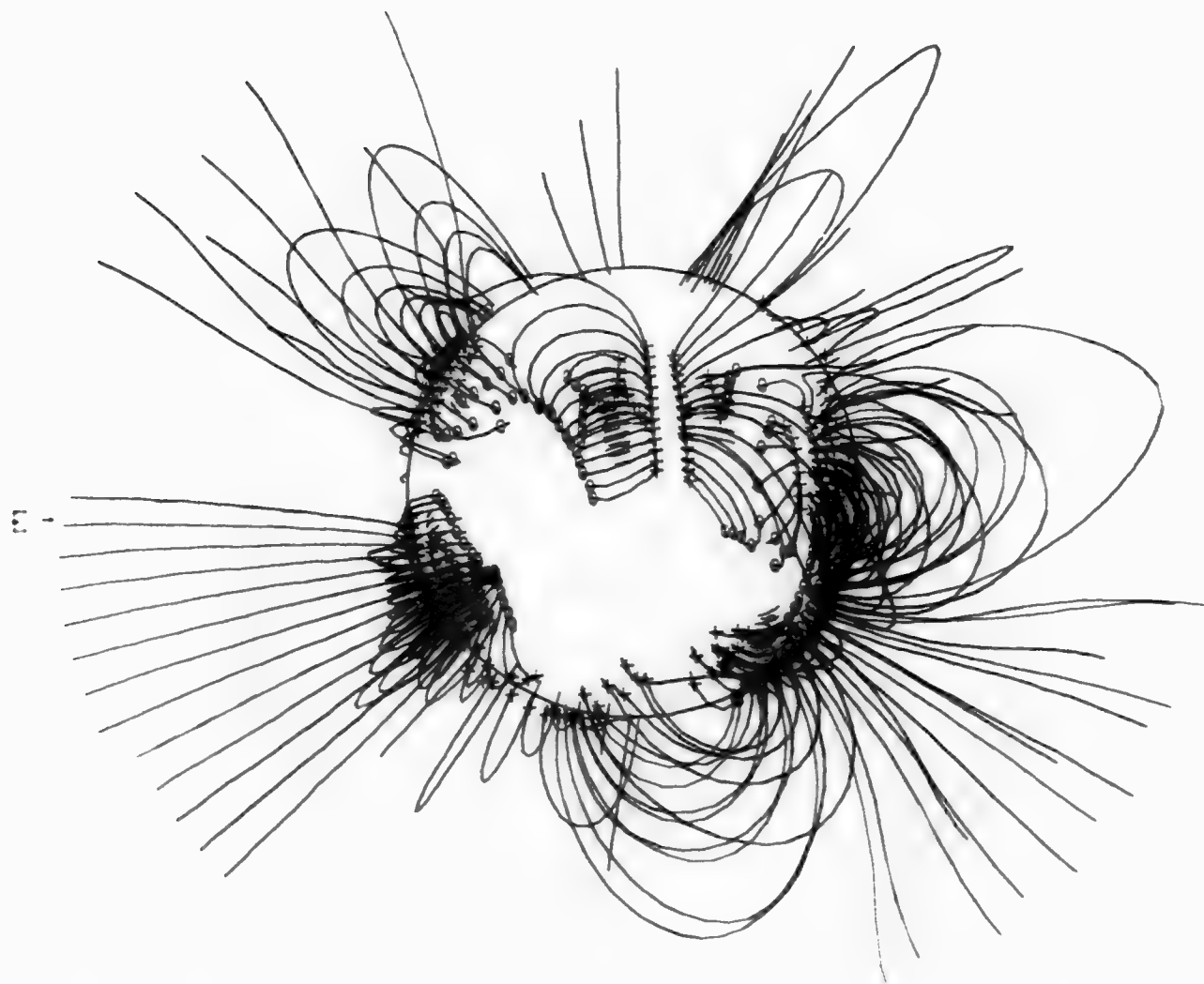
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY PAIR
 RULES LIFE
 (AFTER THE 1999...)

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 THE 1999...

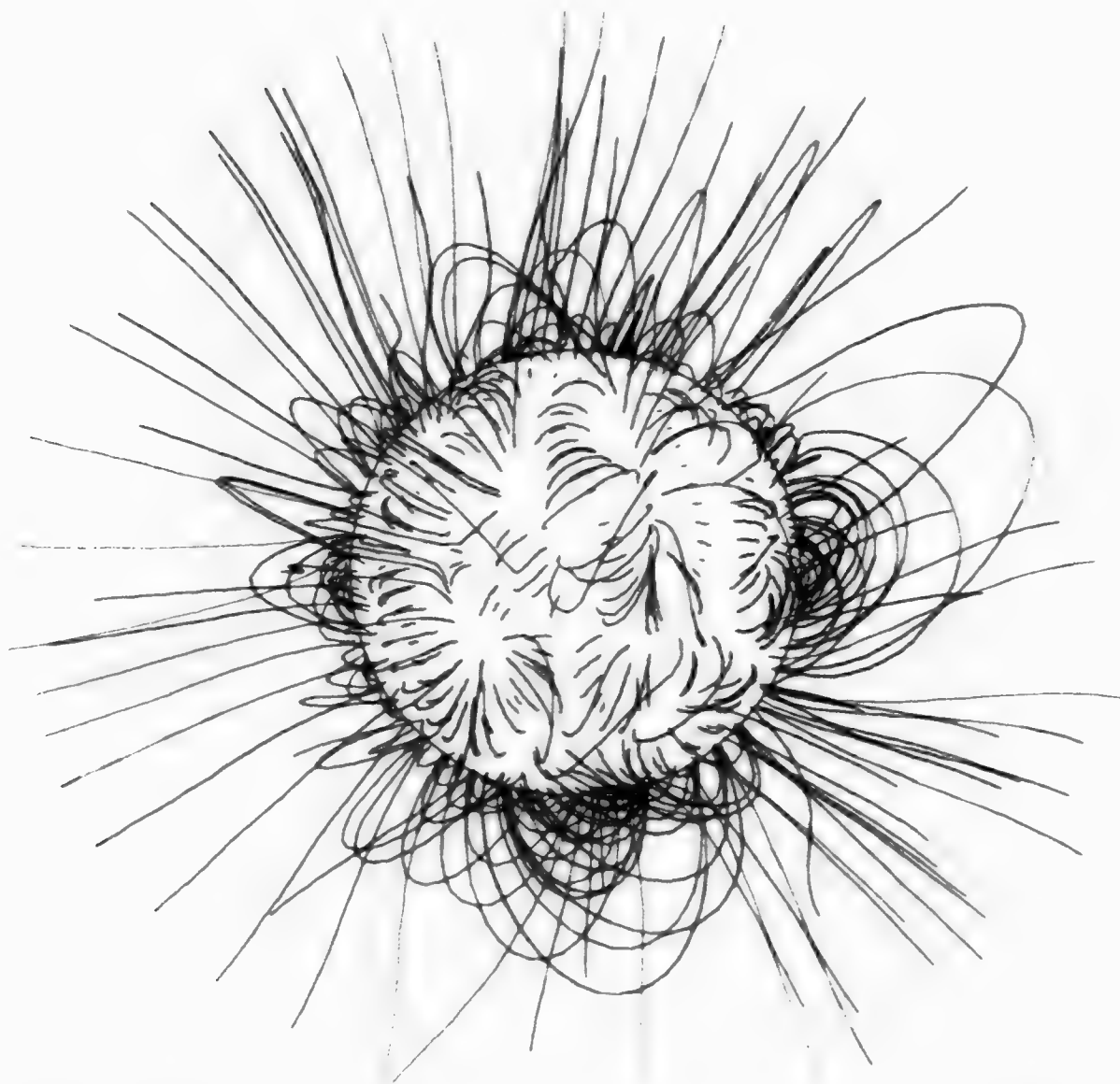
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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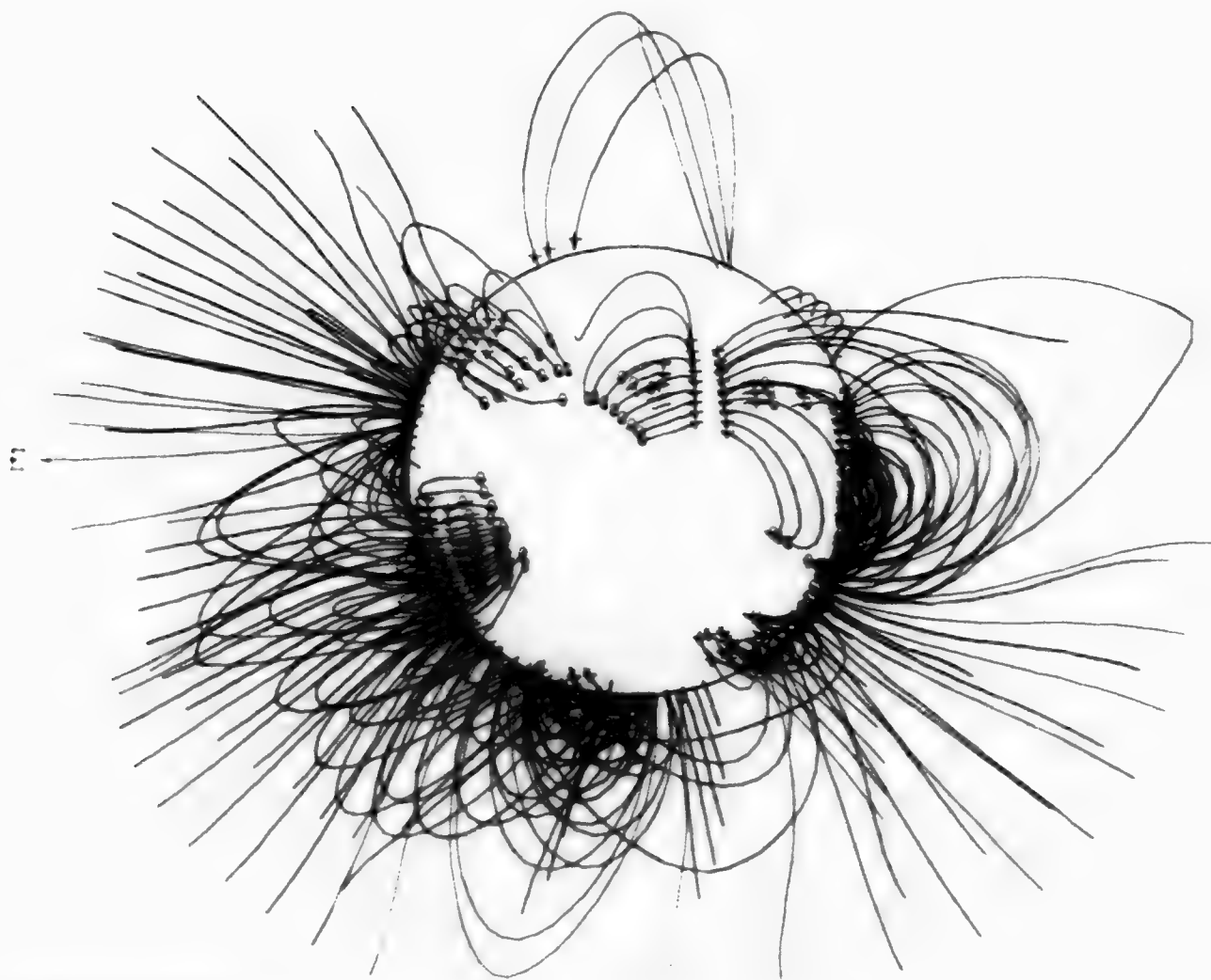
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
1900-1901
1902-1903

HALE OBSERVATORY
1904-1905
1906-1907

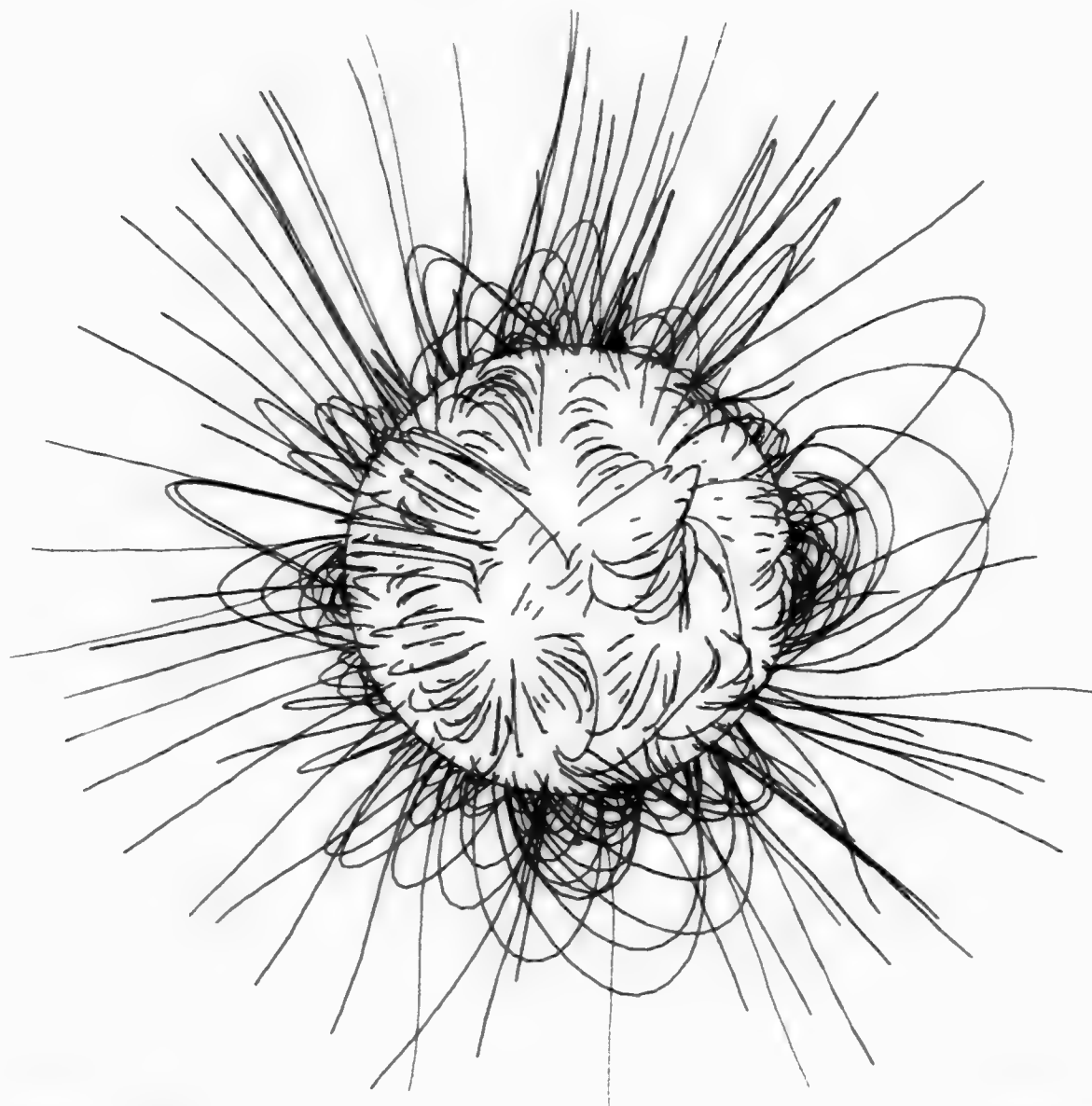
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

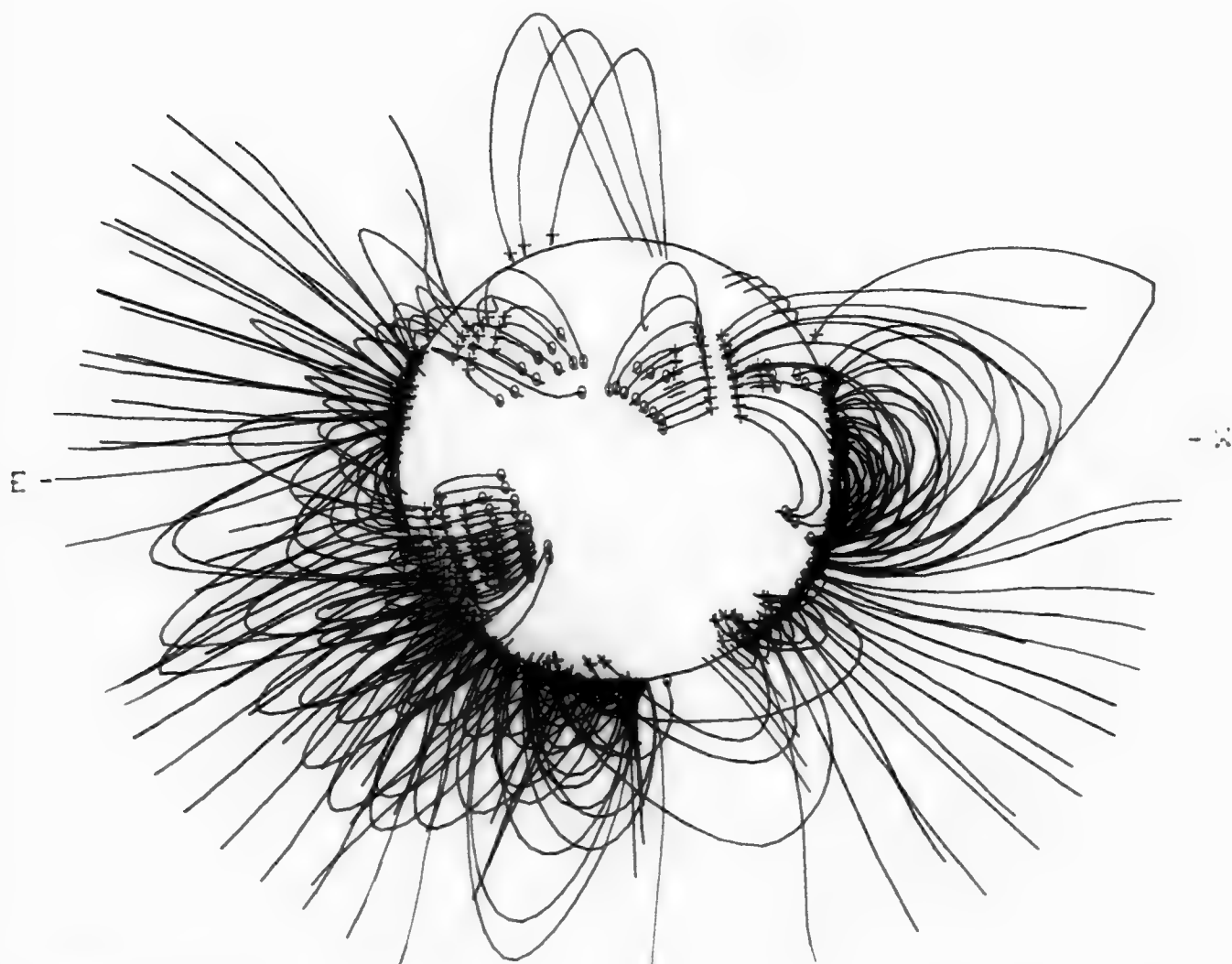


ALITY PAIR
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

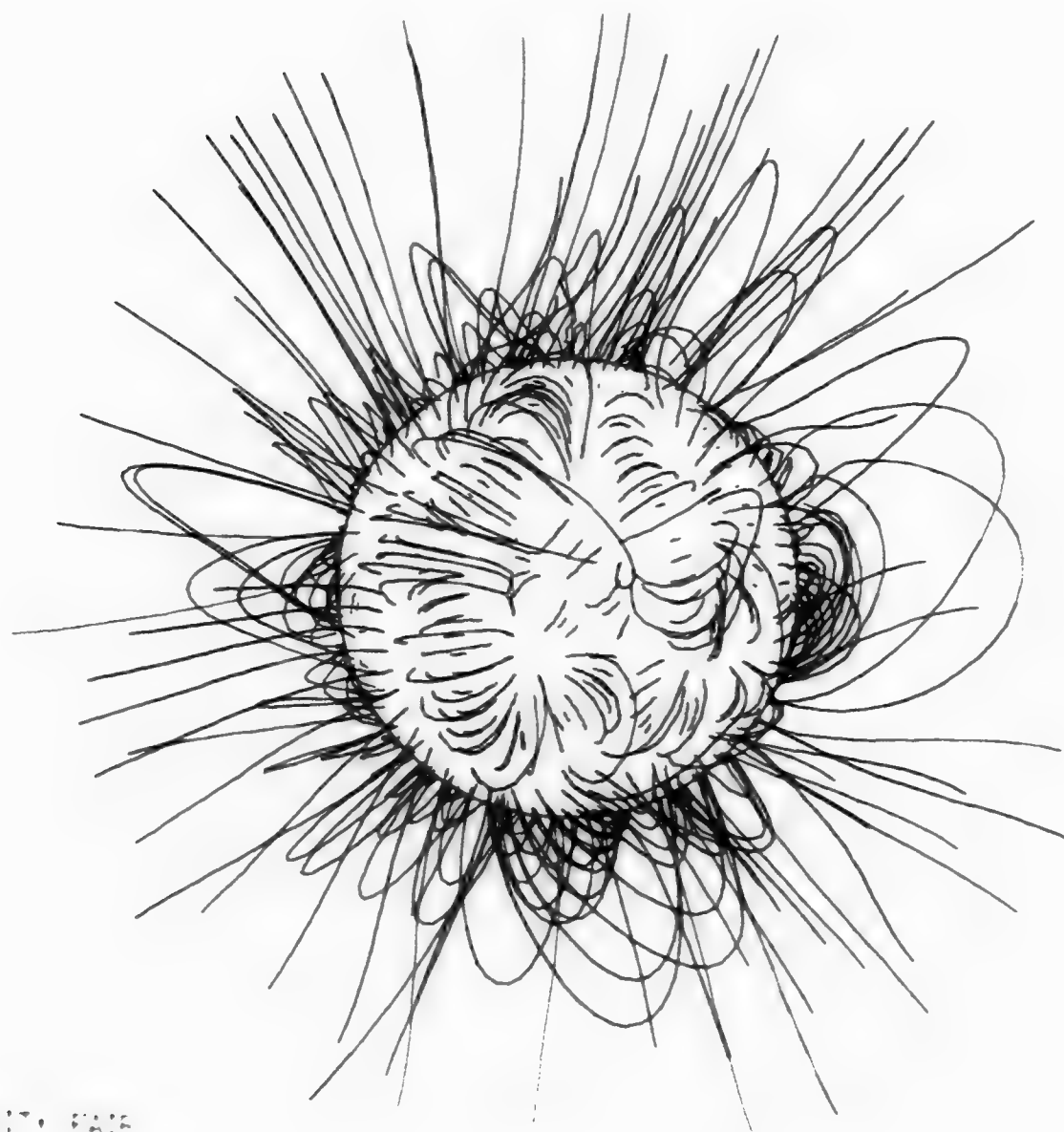
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POLES DIRECT
DATE AND TIME 1953.07

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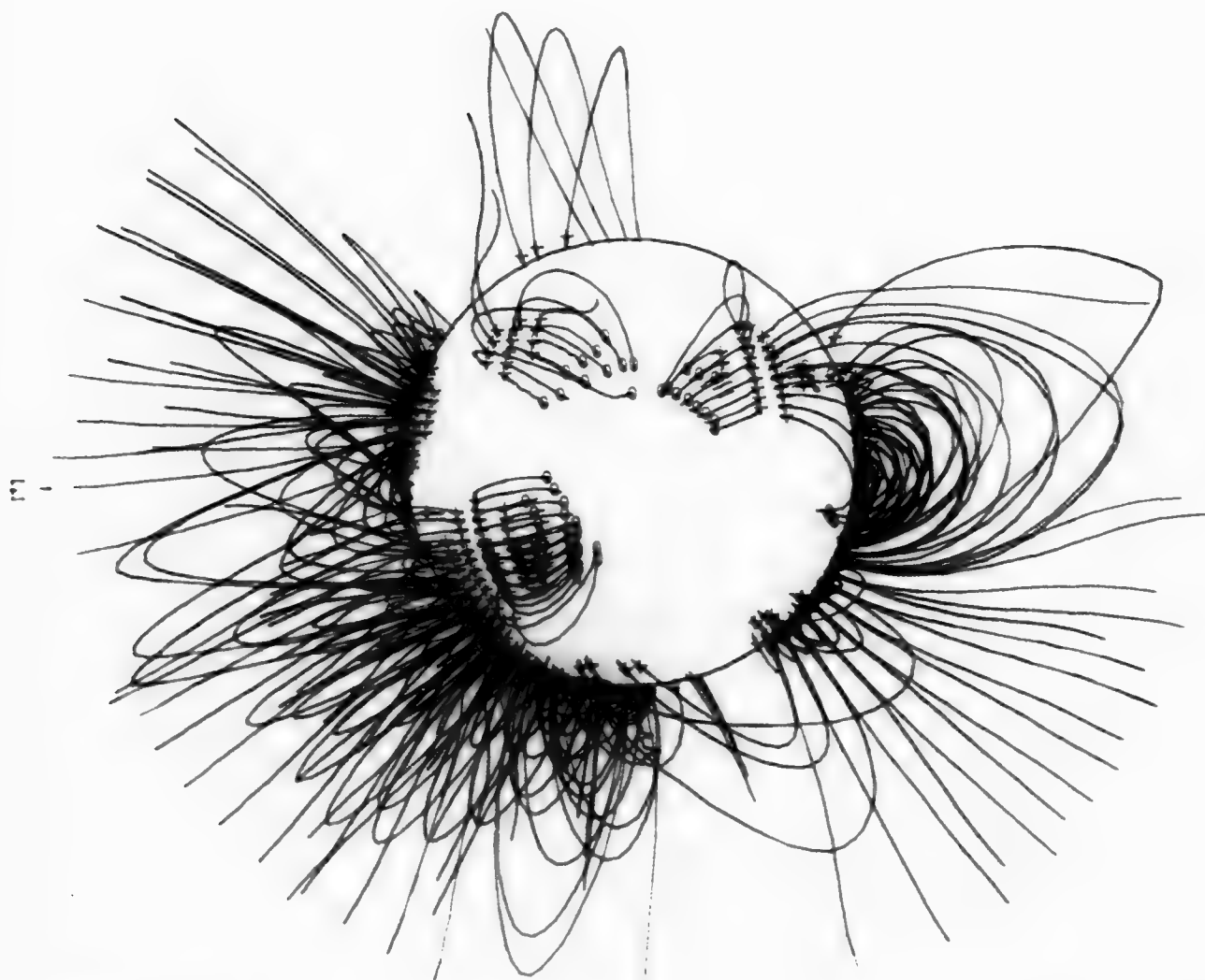
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO DIRECT
 (DATA AND/OR 1973, 74)

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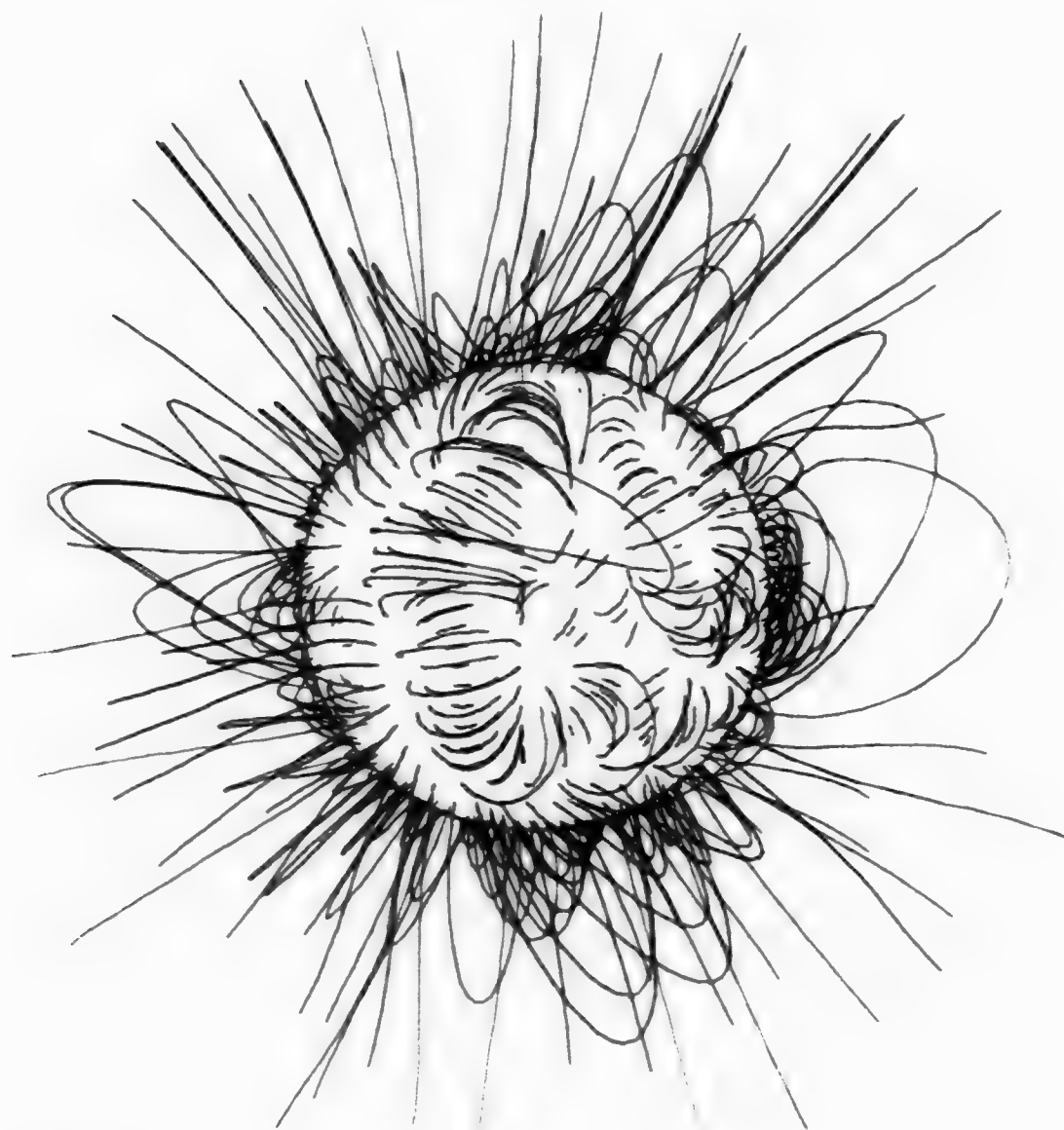
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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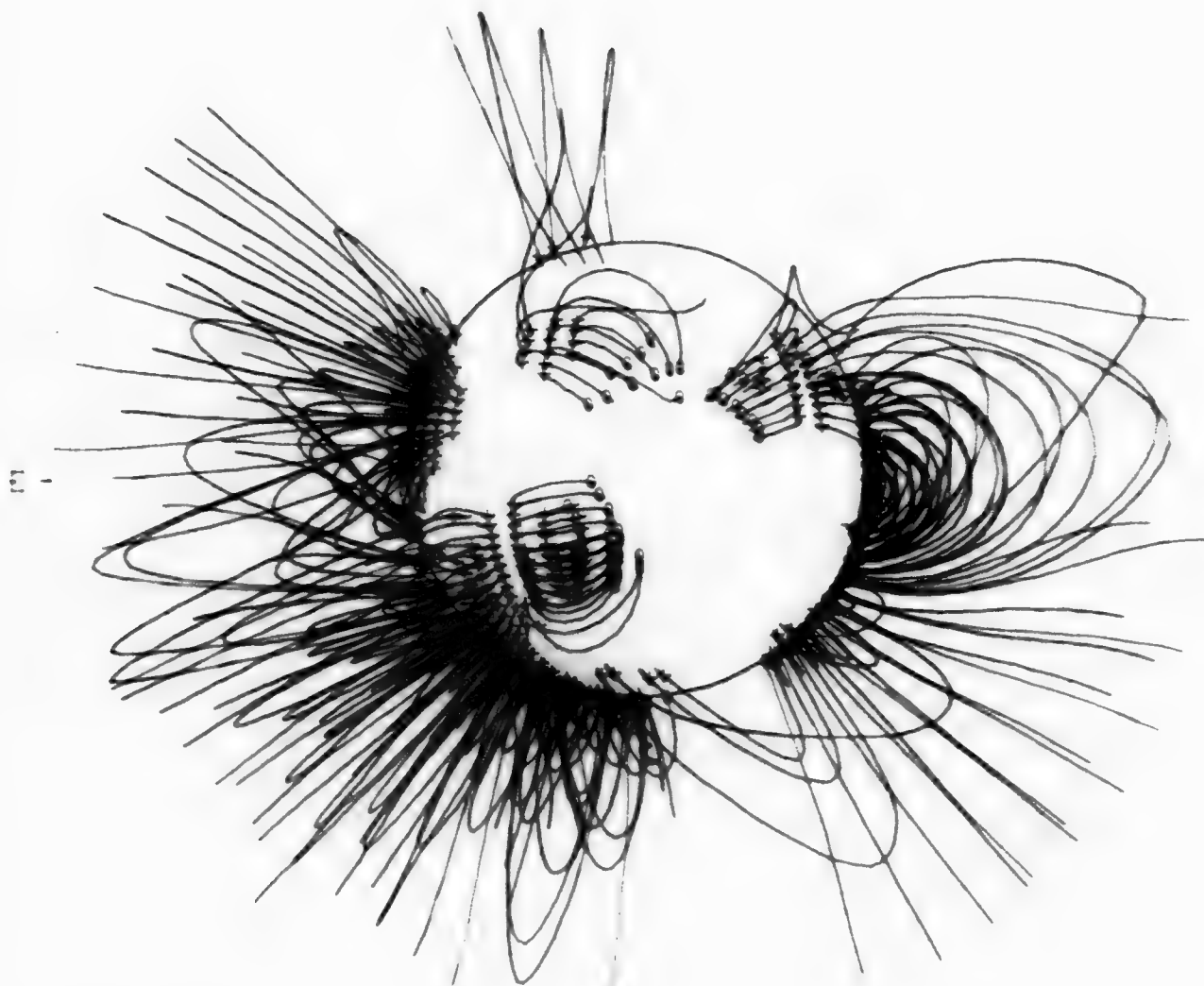
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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 1910-1920

HALE OBSERVATORY
 1910-1920
 1920-1930

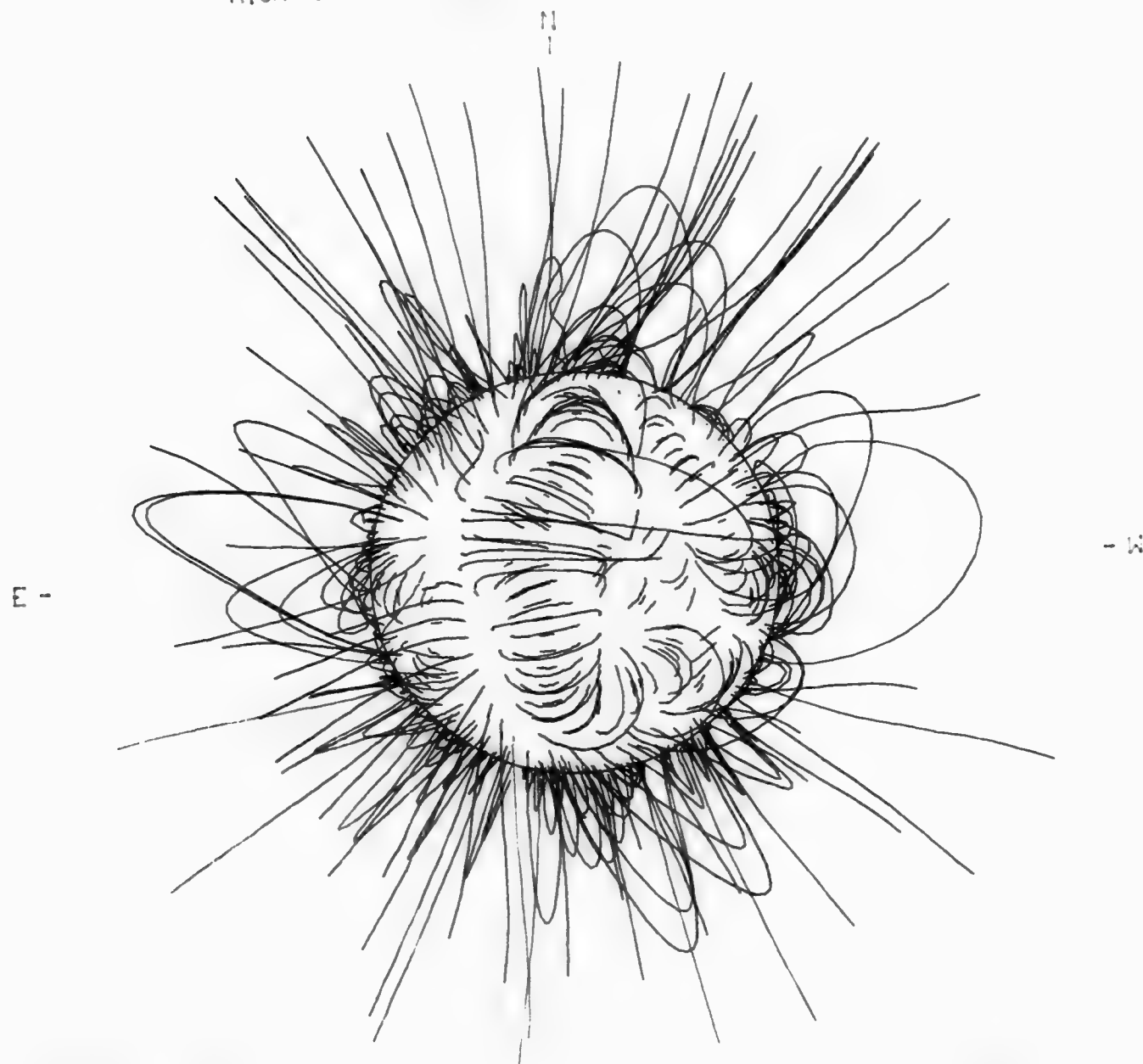
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

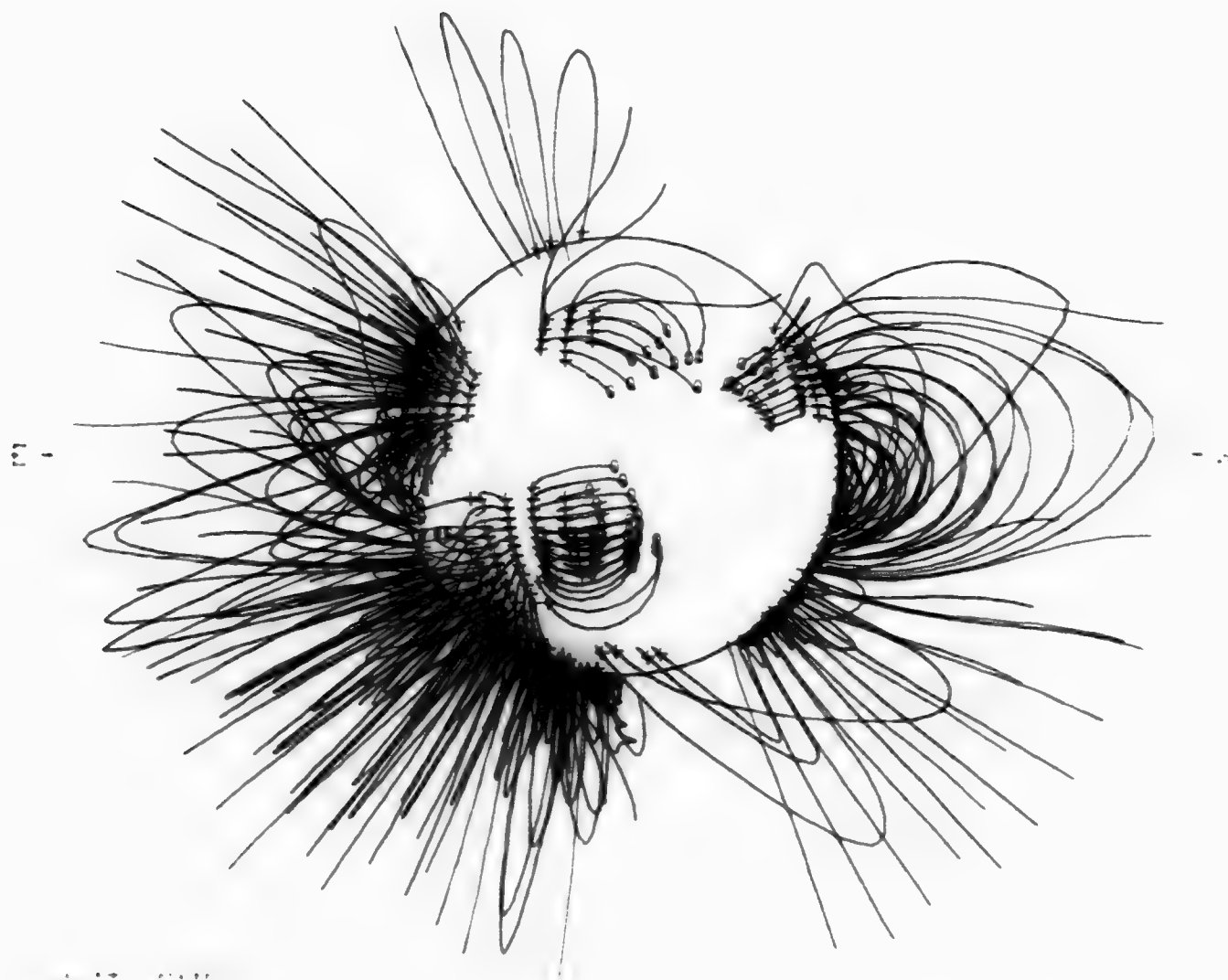
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 1973.07
 1973.07

1973.07 1973.07
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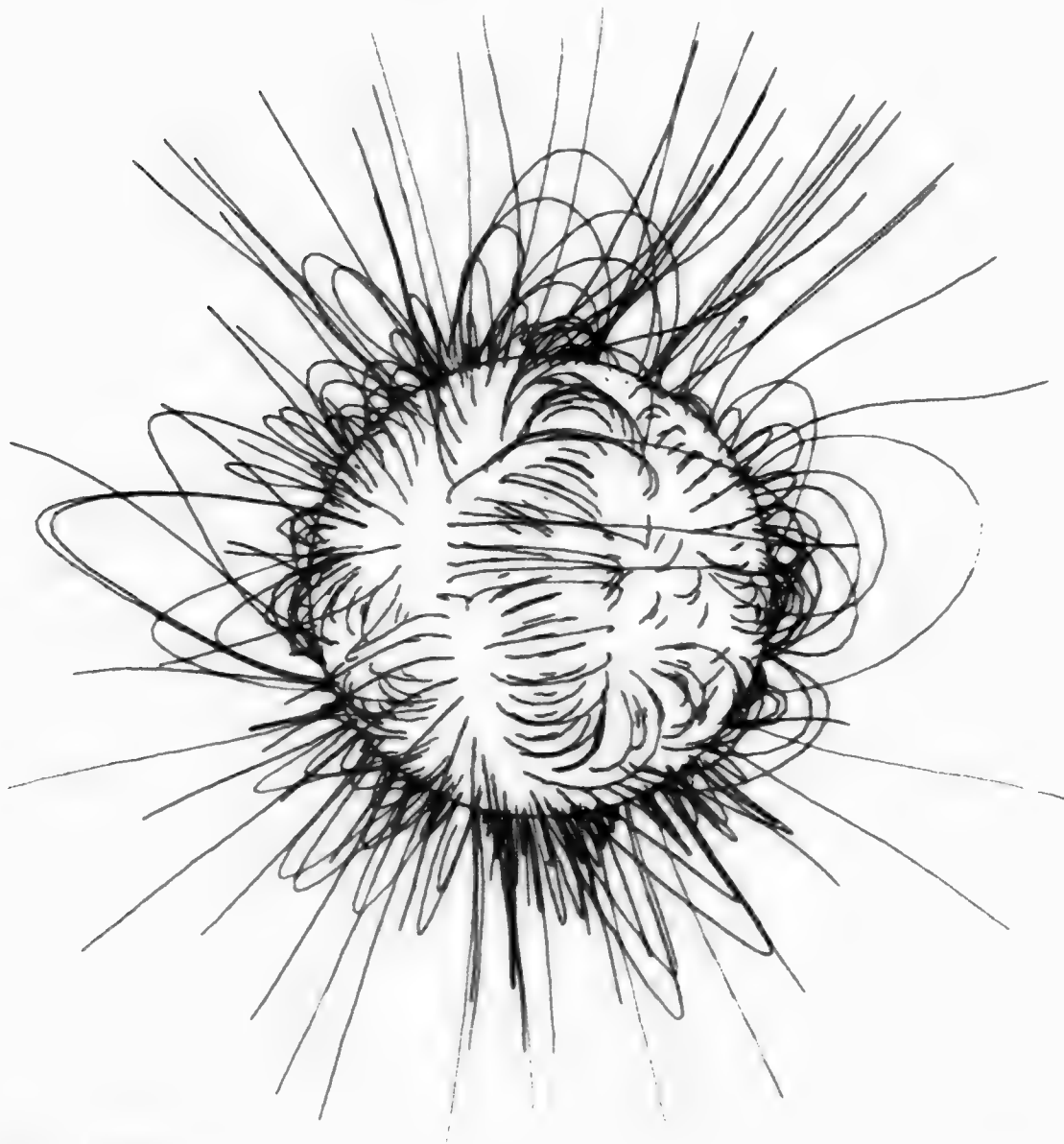
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1958-1959
 DATA FROM 1958-1959

HALE OBSERVATORY
 1958-1959
 DATA FROM 1958-1959

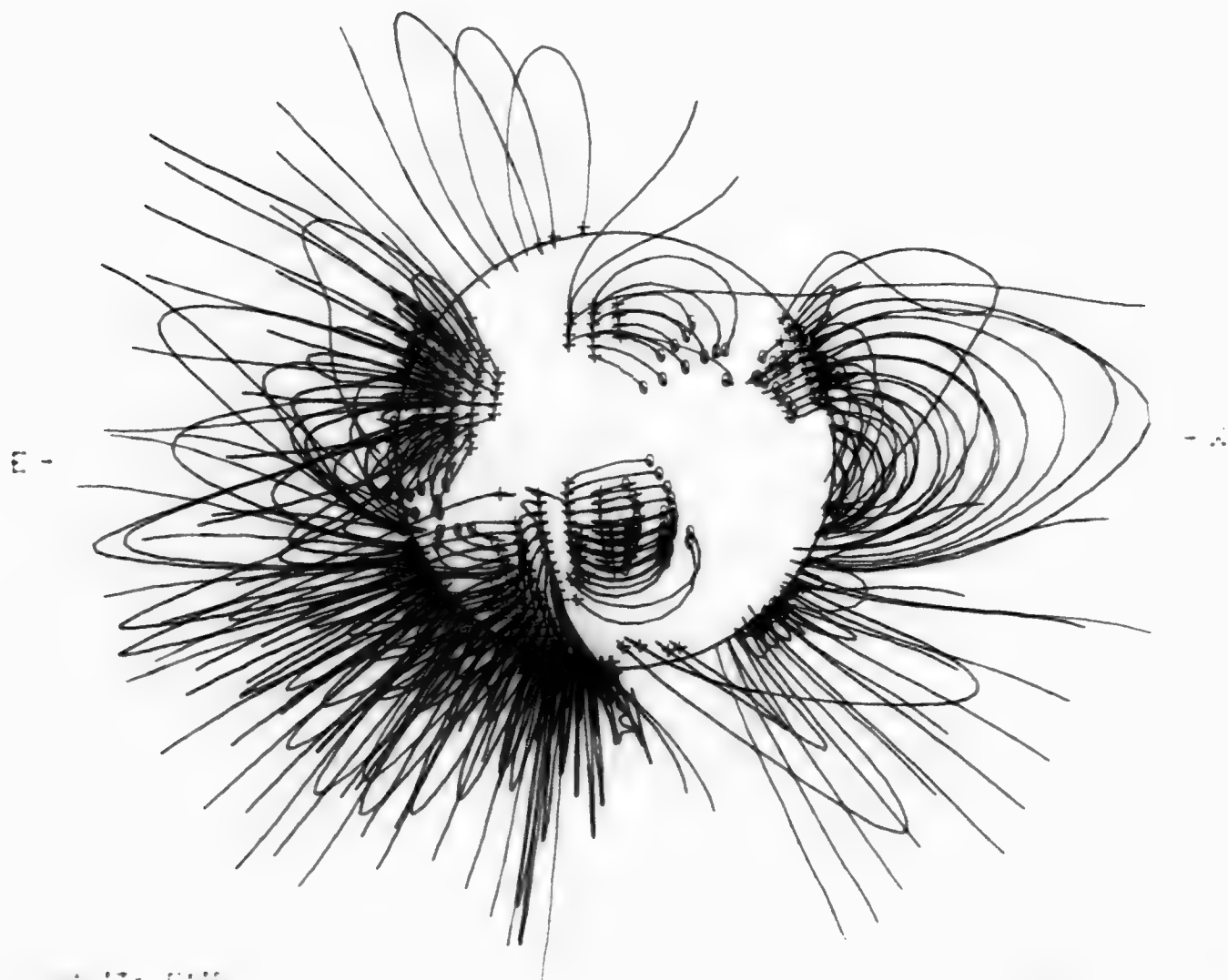
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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SUN OBSERVATORY

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SUN OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

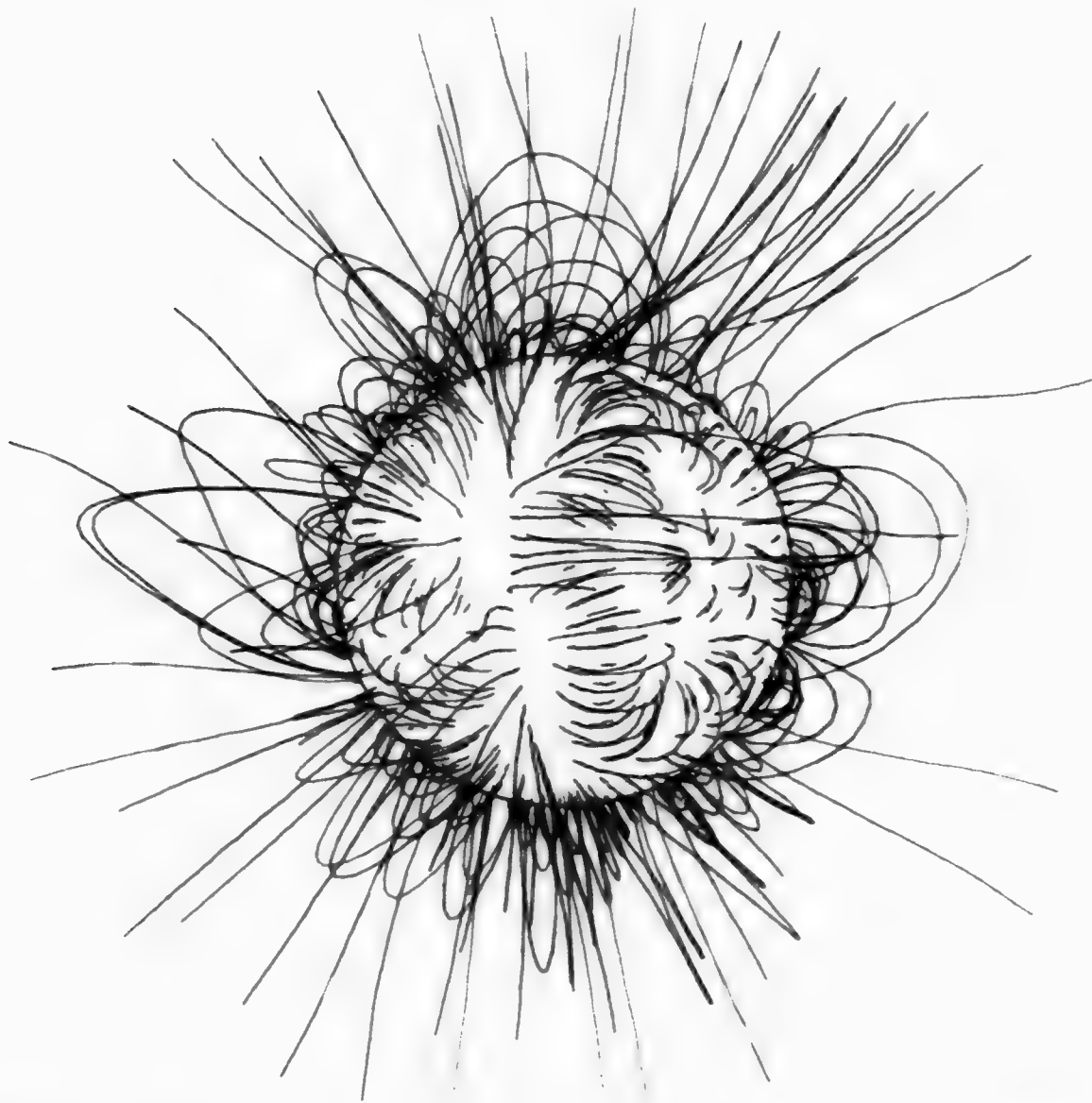
HALE OBSERVATORY

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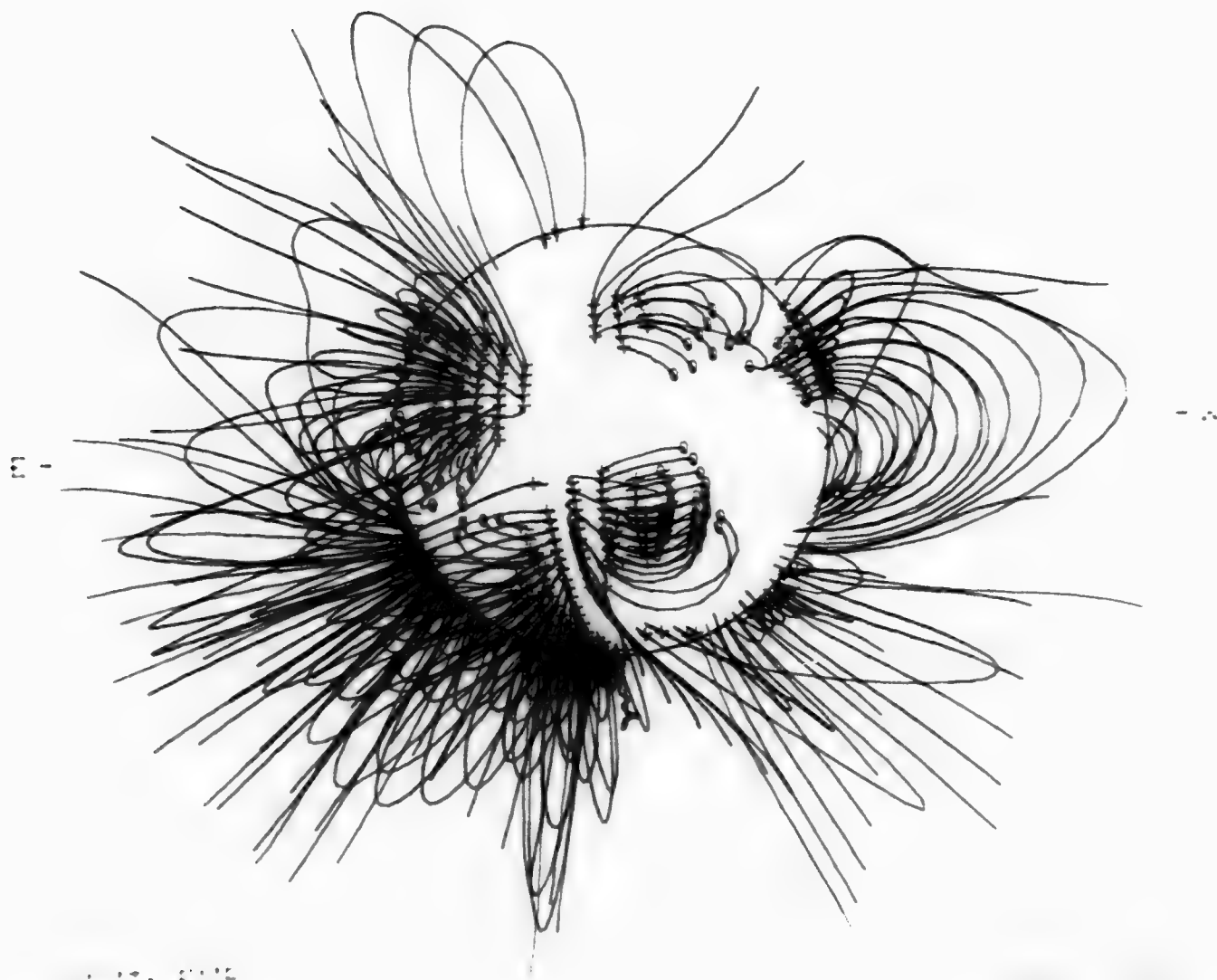
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUECO OBSERVATORY
LATE 1960s - 1970s

HALE OBSERVATORY
PUECO OBSERVATORY
LATE 1960s - 1970s

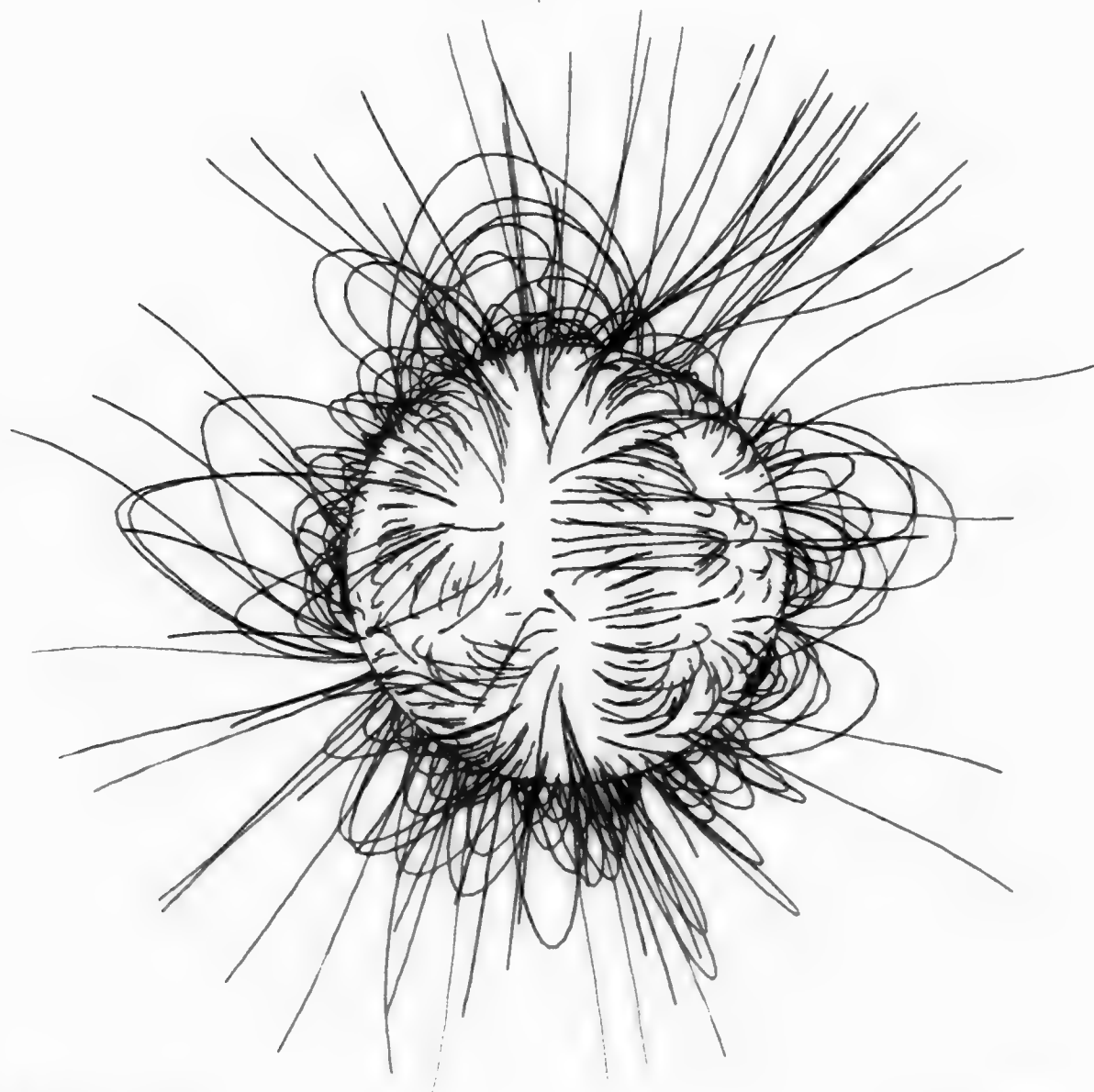
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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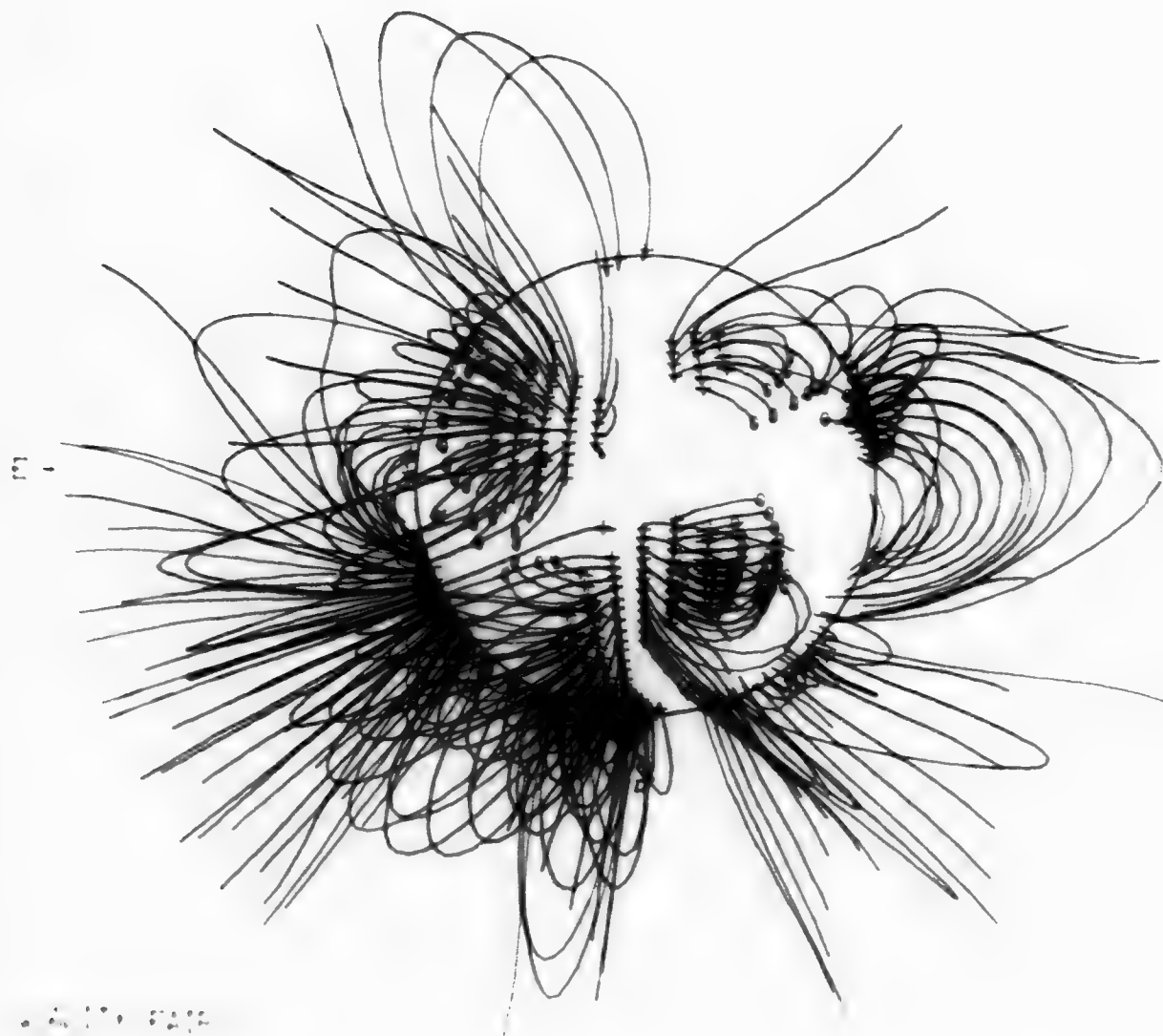
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PLEASANT HILL
 CALIFORNIA 94523

HALE OBSERVATORY
 PLEASANT HILL
 CALIFORNIA 94523

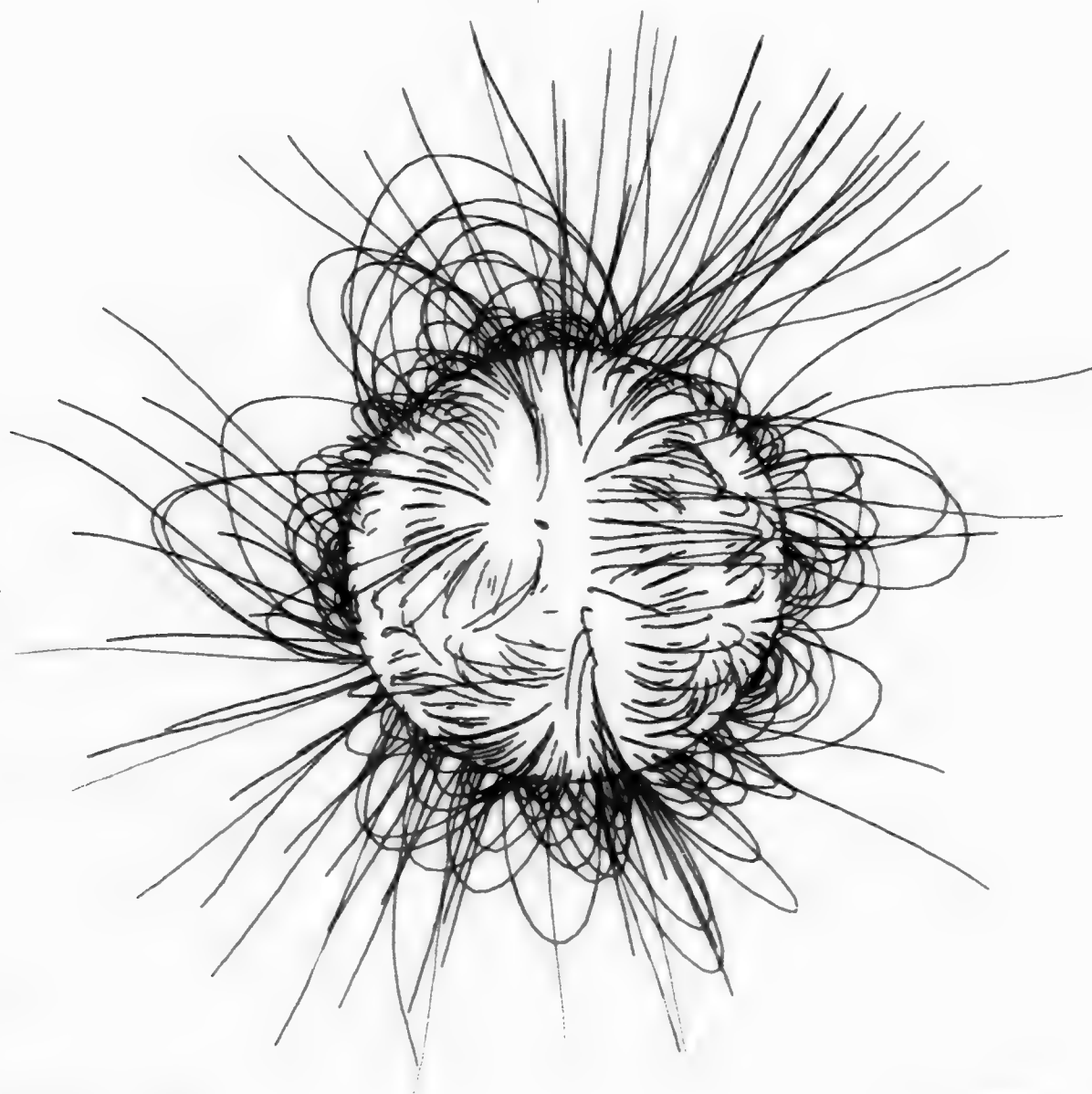
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES DIRECT
 1974-1975

HALE OBSERVATORY
 1974-1975

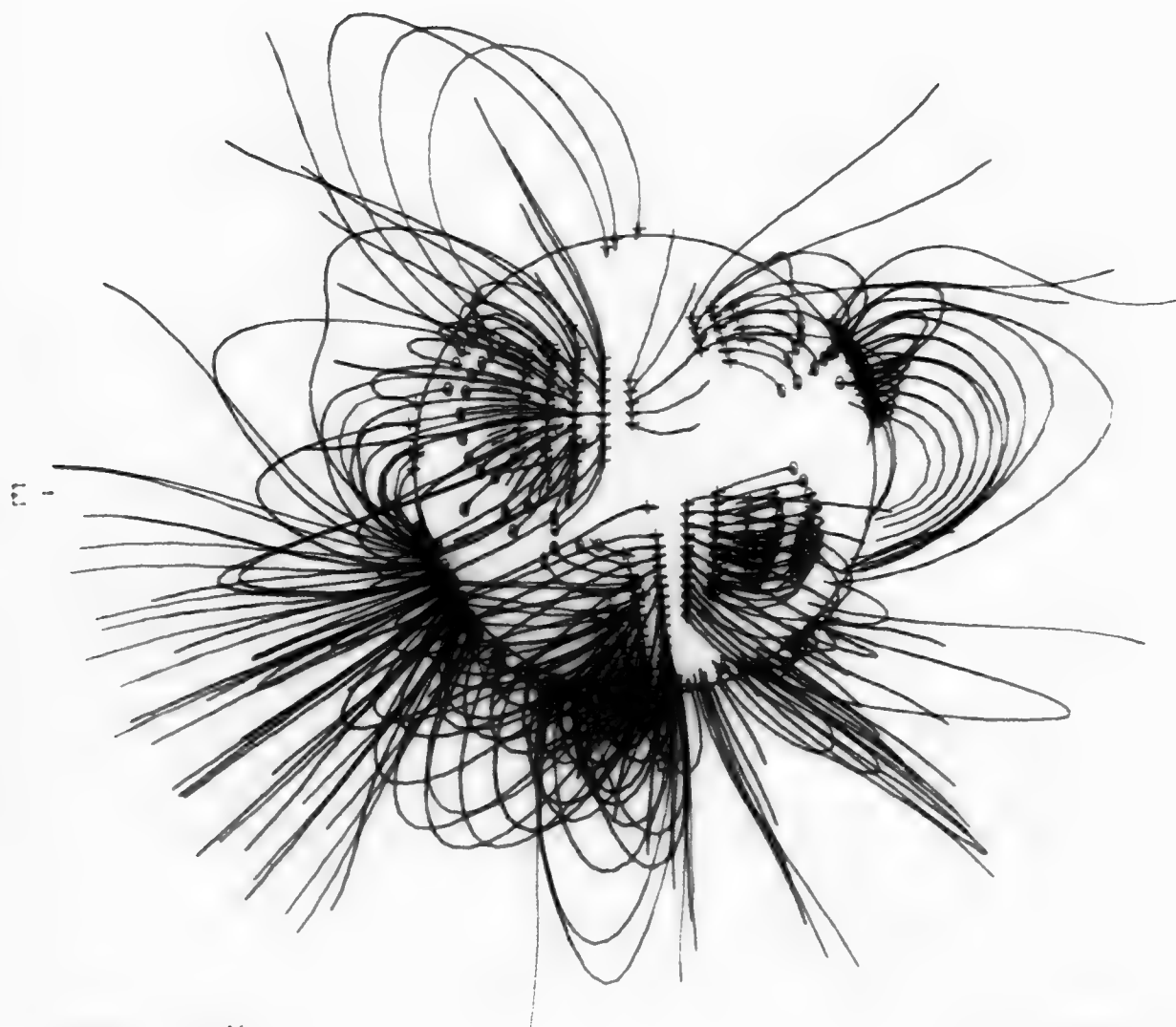
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PAGES 1-10
1974-1975

HALE OBSERVATORY
PAGES 1-10
1974-1975

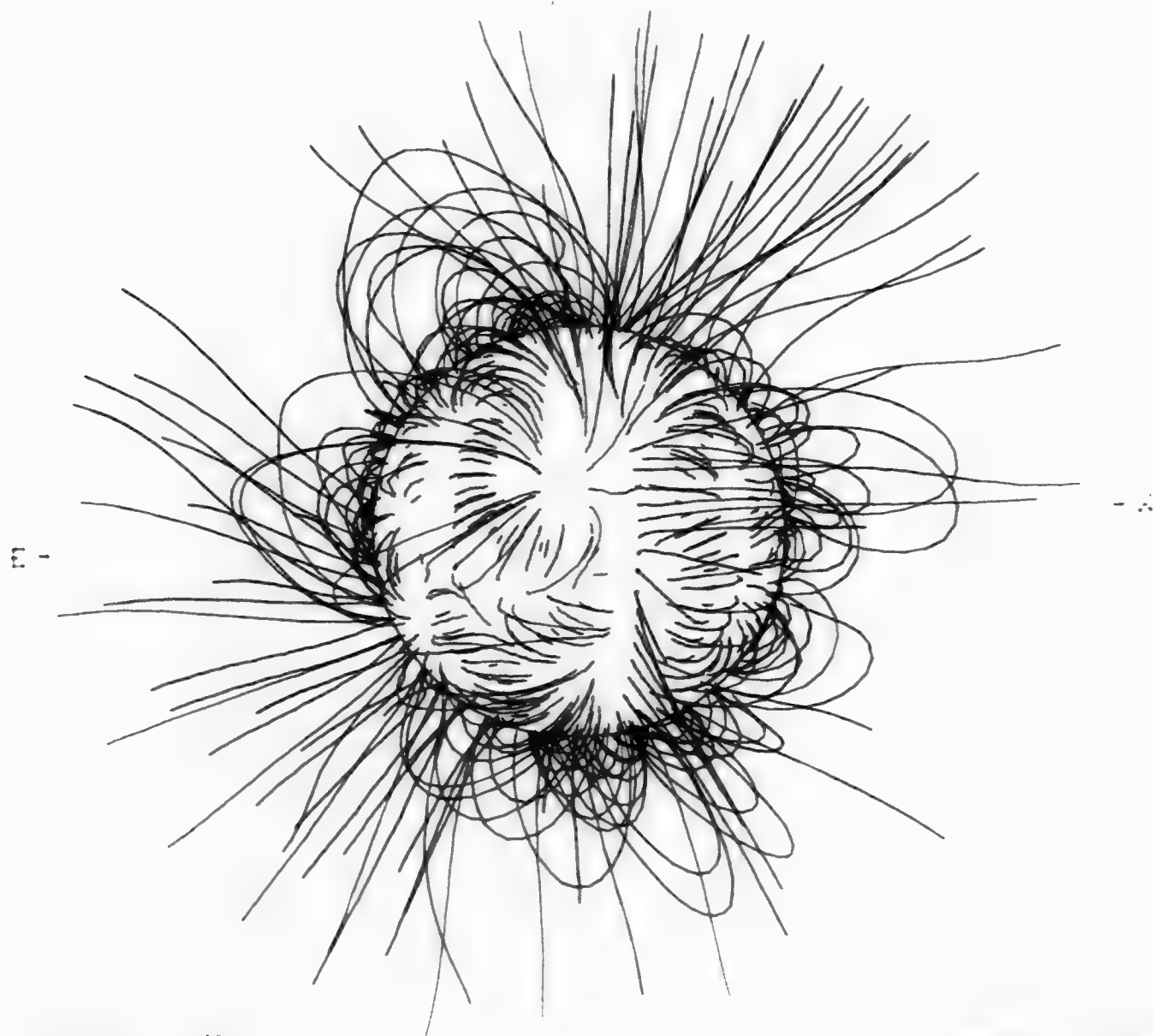
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUECO STREET
MOUNTAIN VIEW, CALIF.

HALE OBSERVATORY
MOUNTAIN VIEW, CALIF.

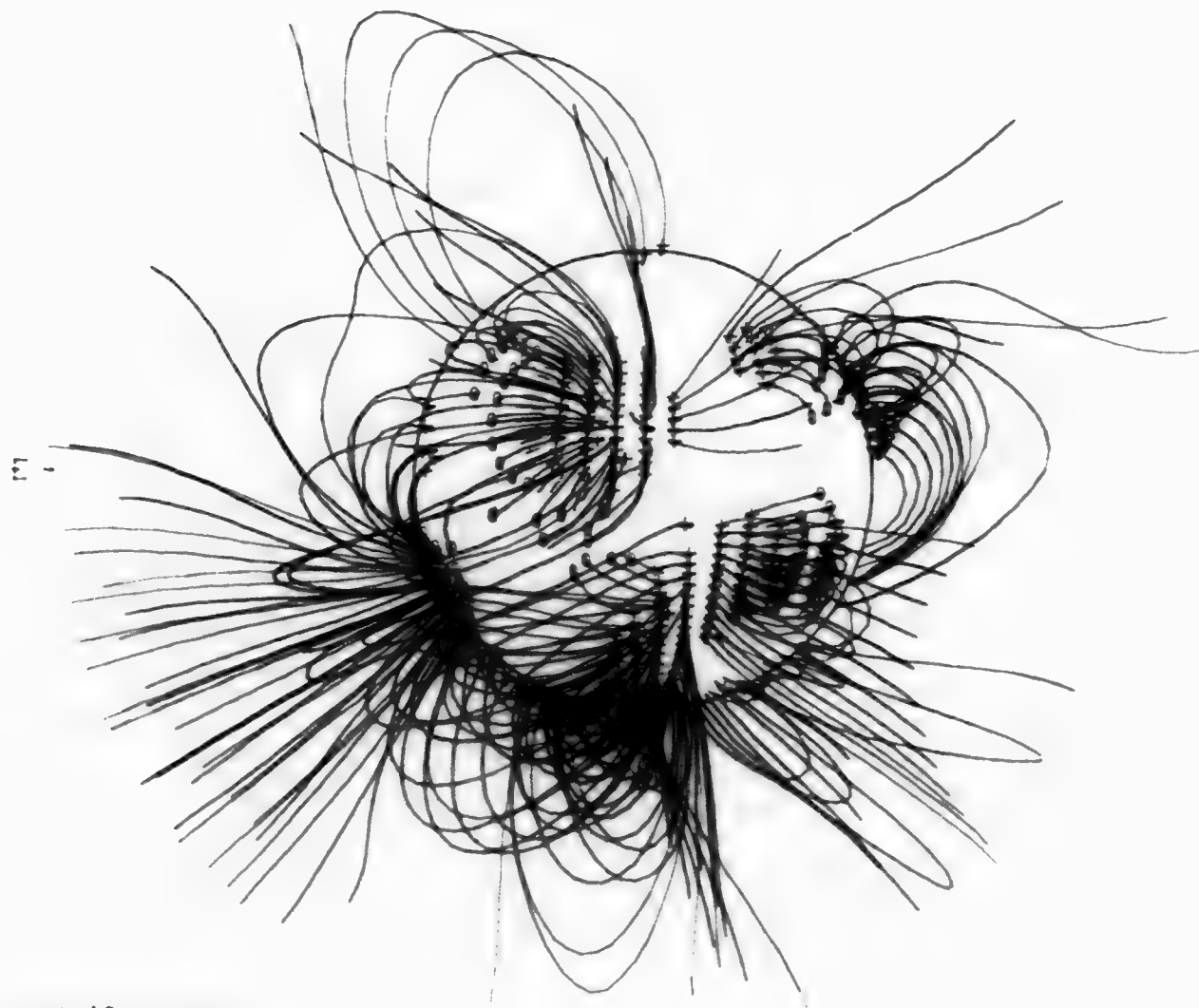
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

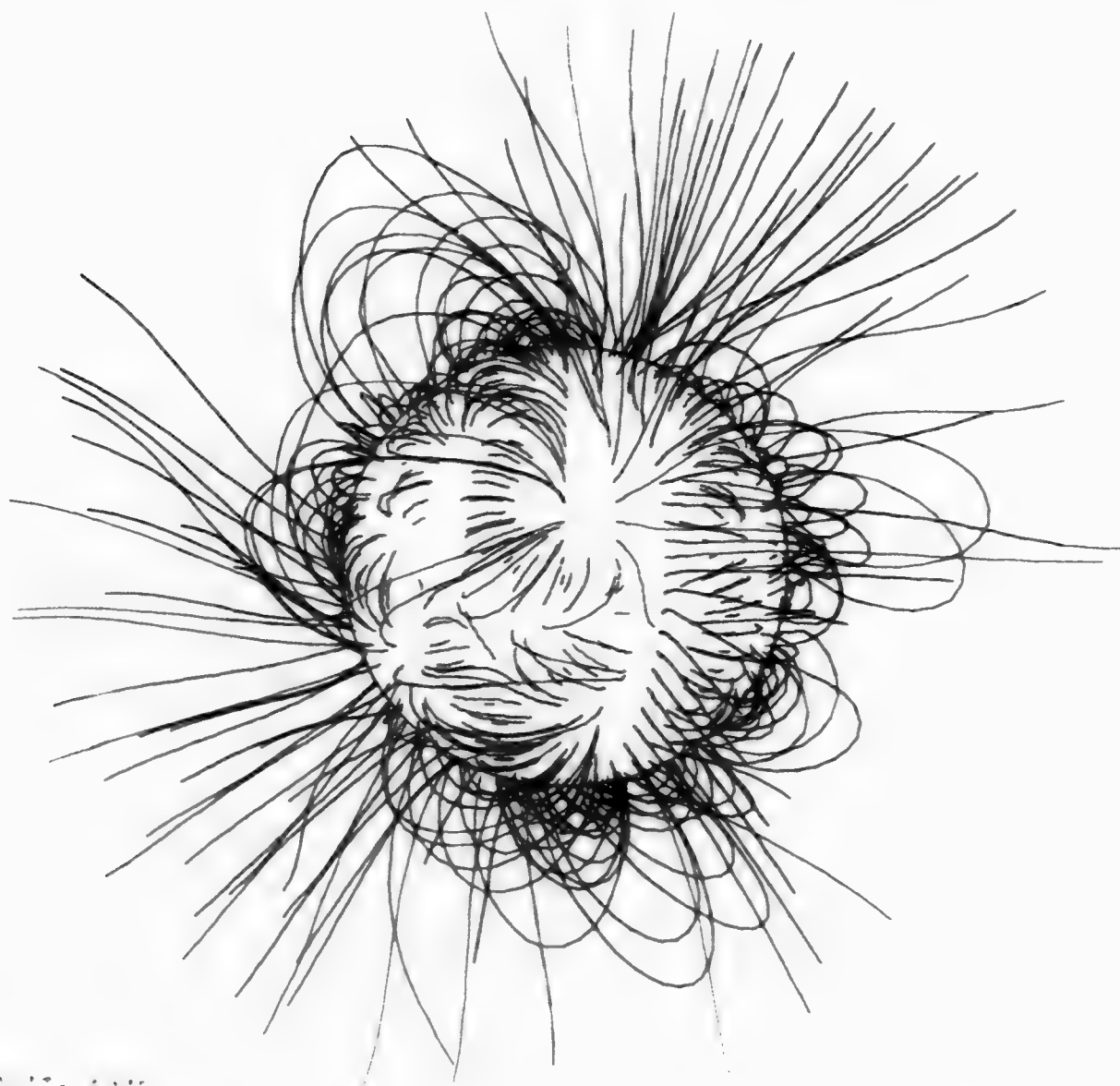


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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

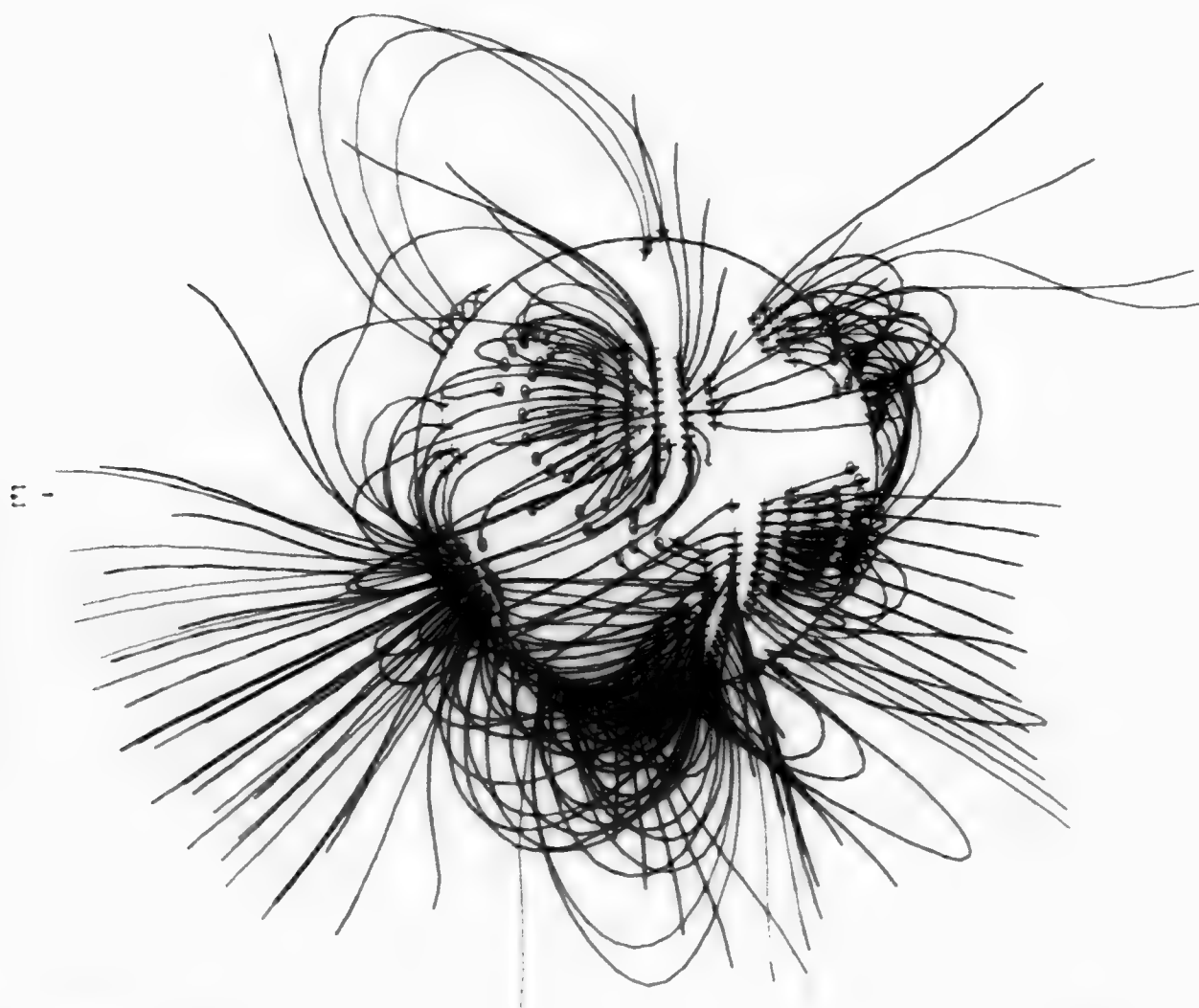
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POWER 1000
DATA 1000 1000 1000

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1000 1000 1000

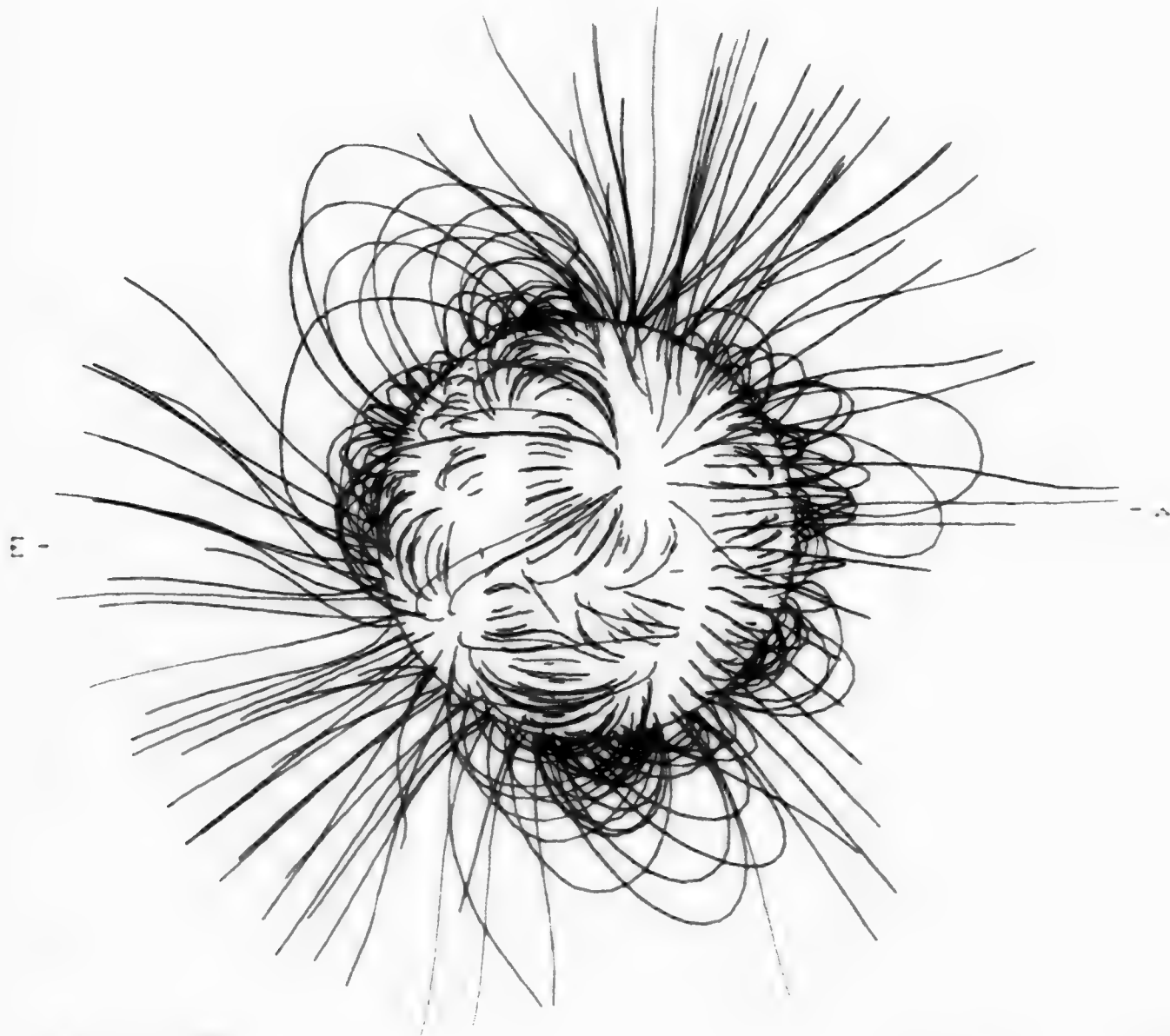
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
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 HAILE OBSERVATORIES

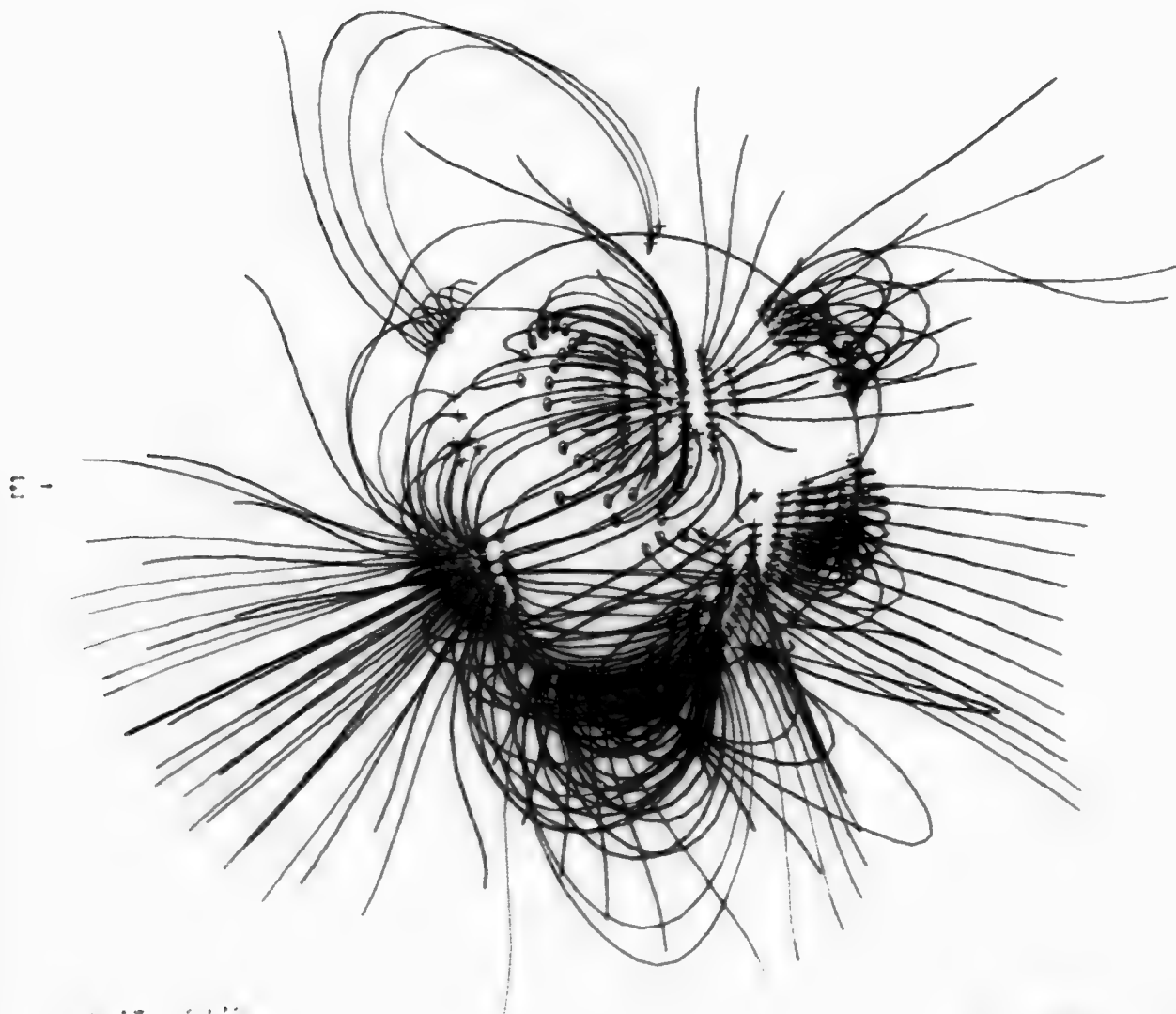
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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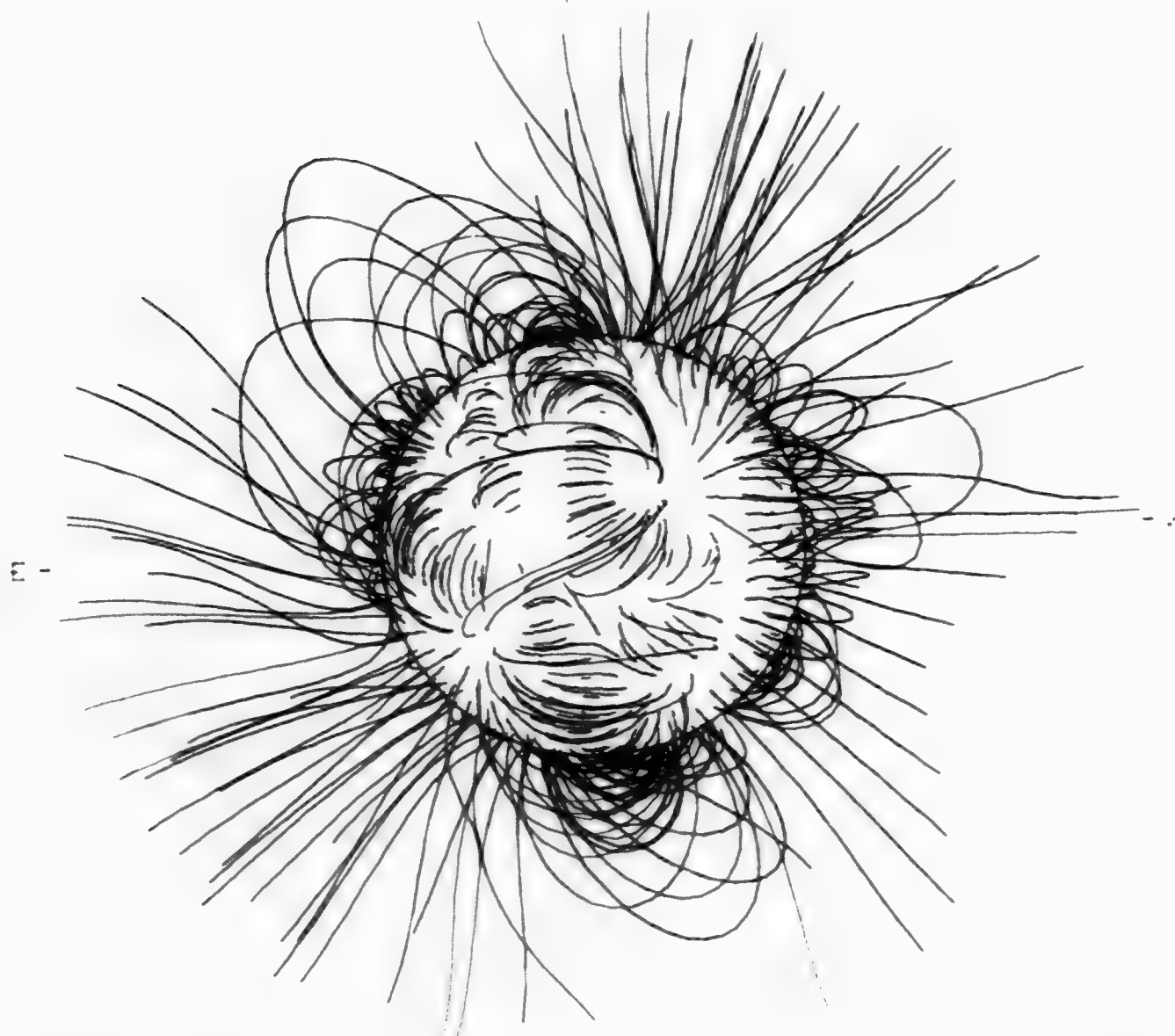
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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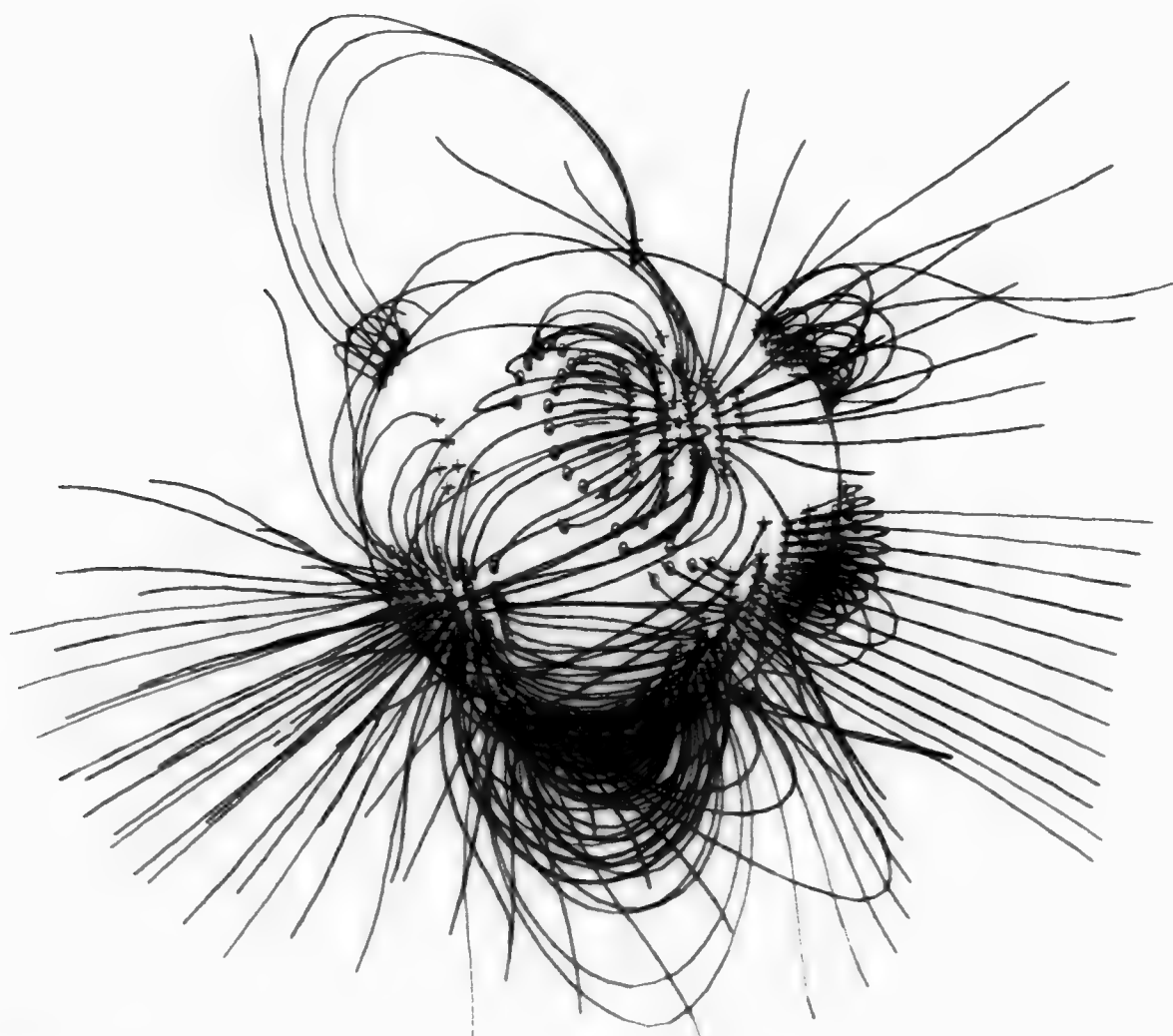
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES 1-10
 DATA FOR 1954.1

HALE OBSERVATORY
 PAGES 1-10
 DATA FOR 1954.1

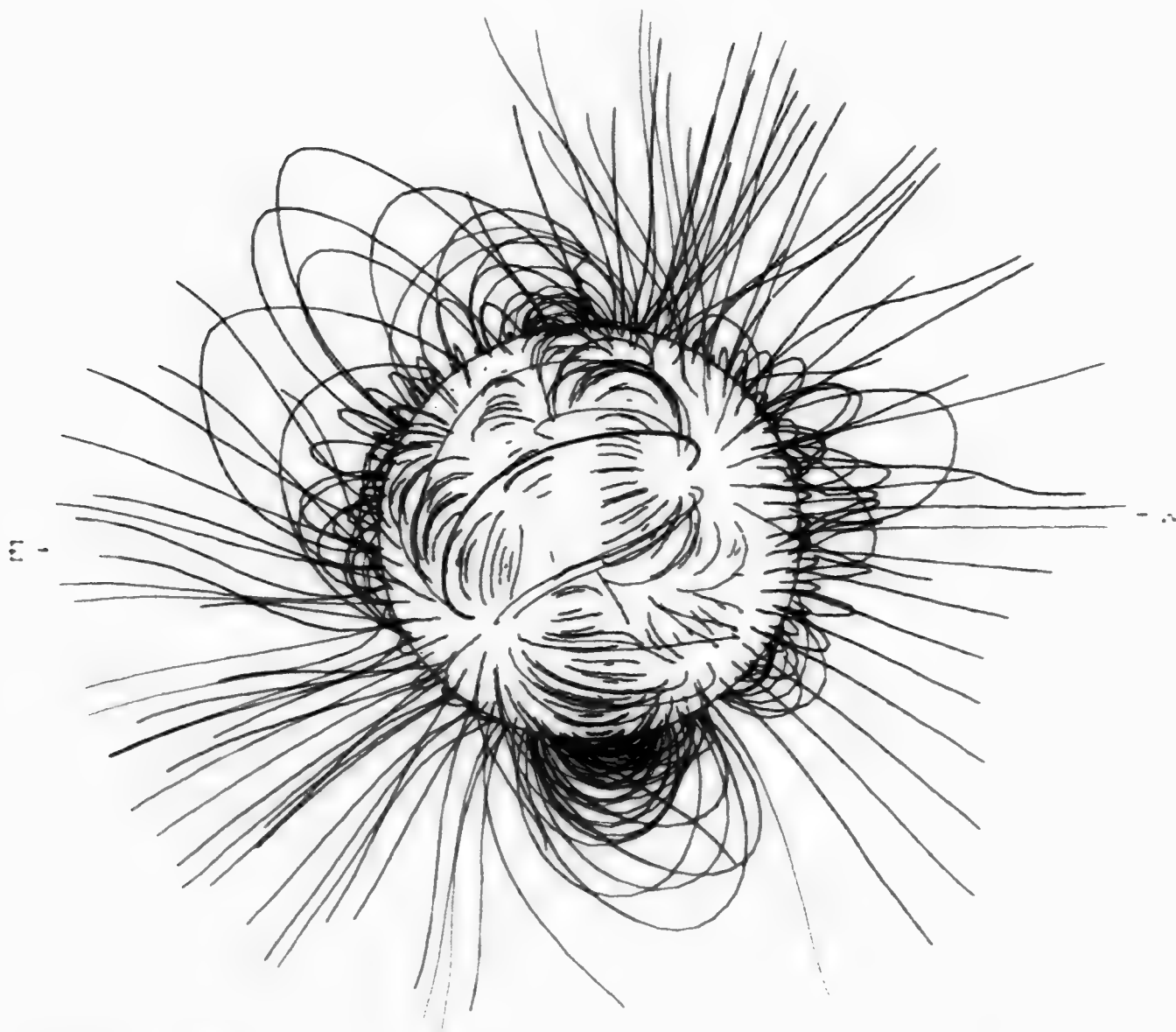
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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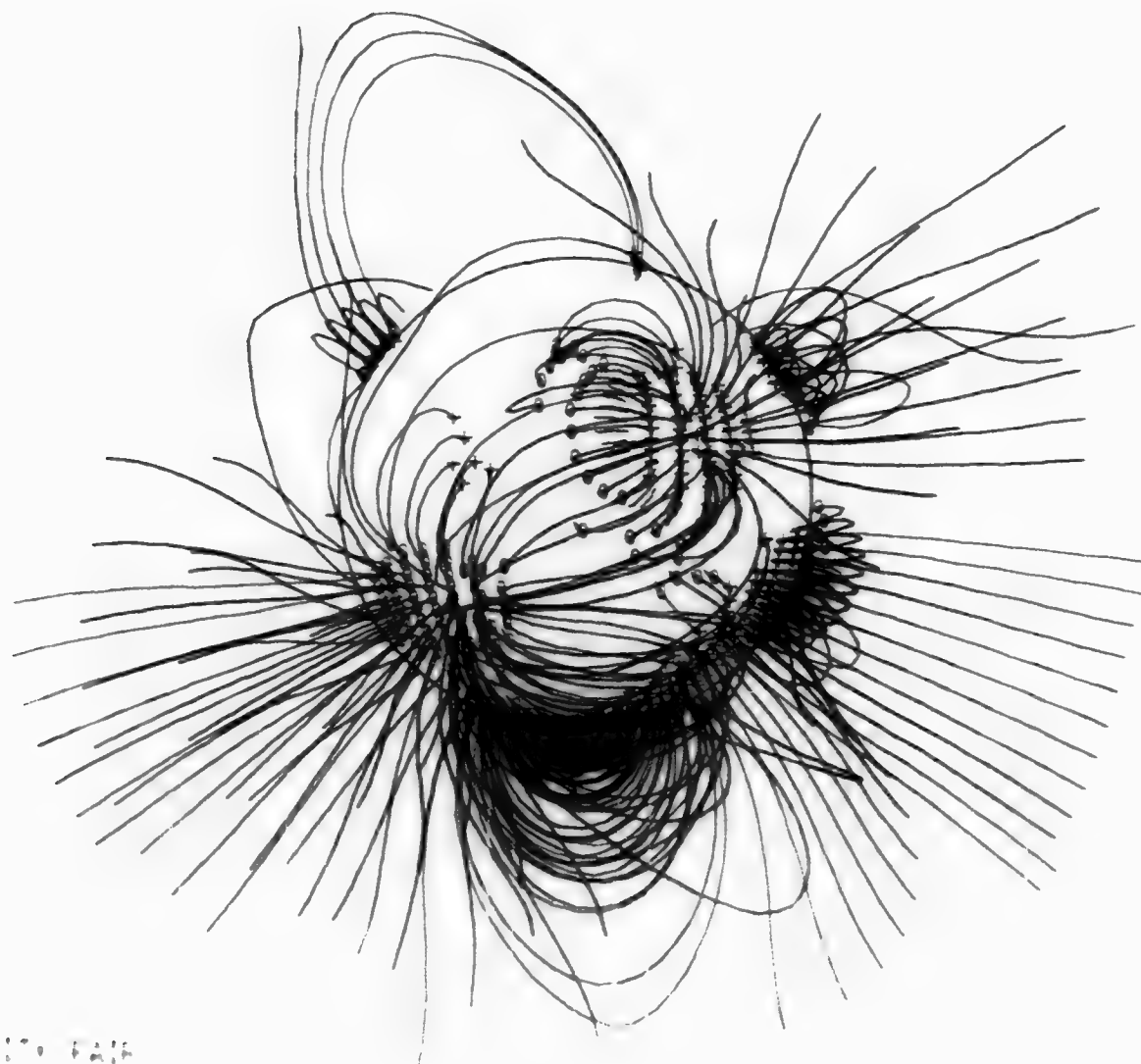
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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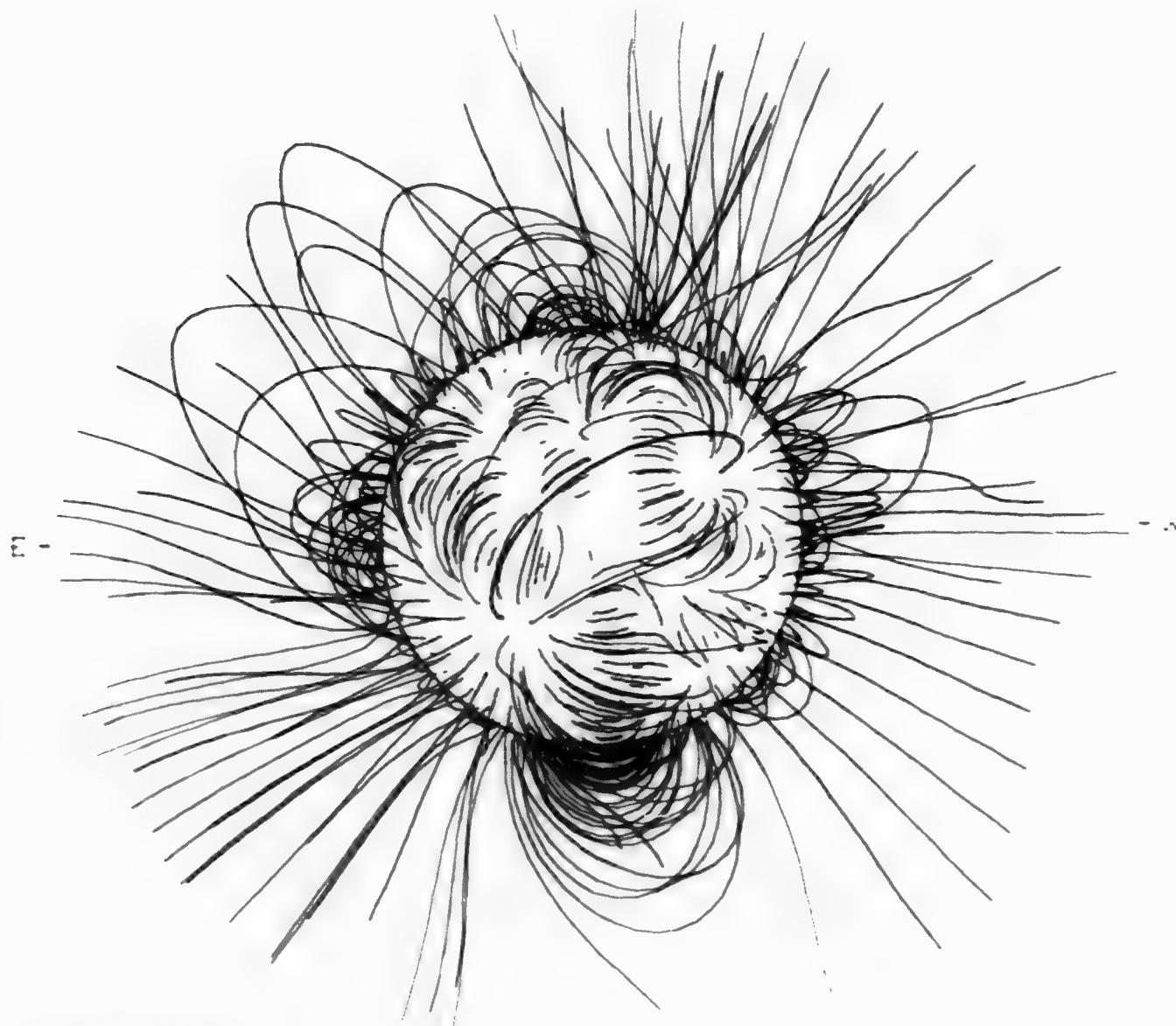
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
HAWAII

HALE
OBSERVATORY
HAWAII

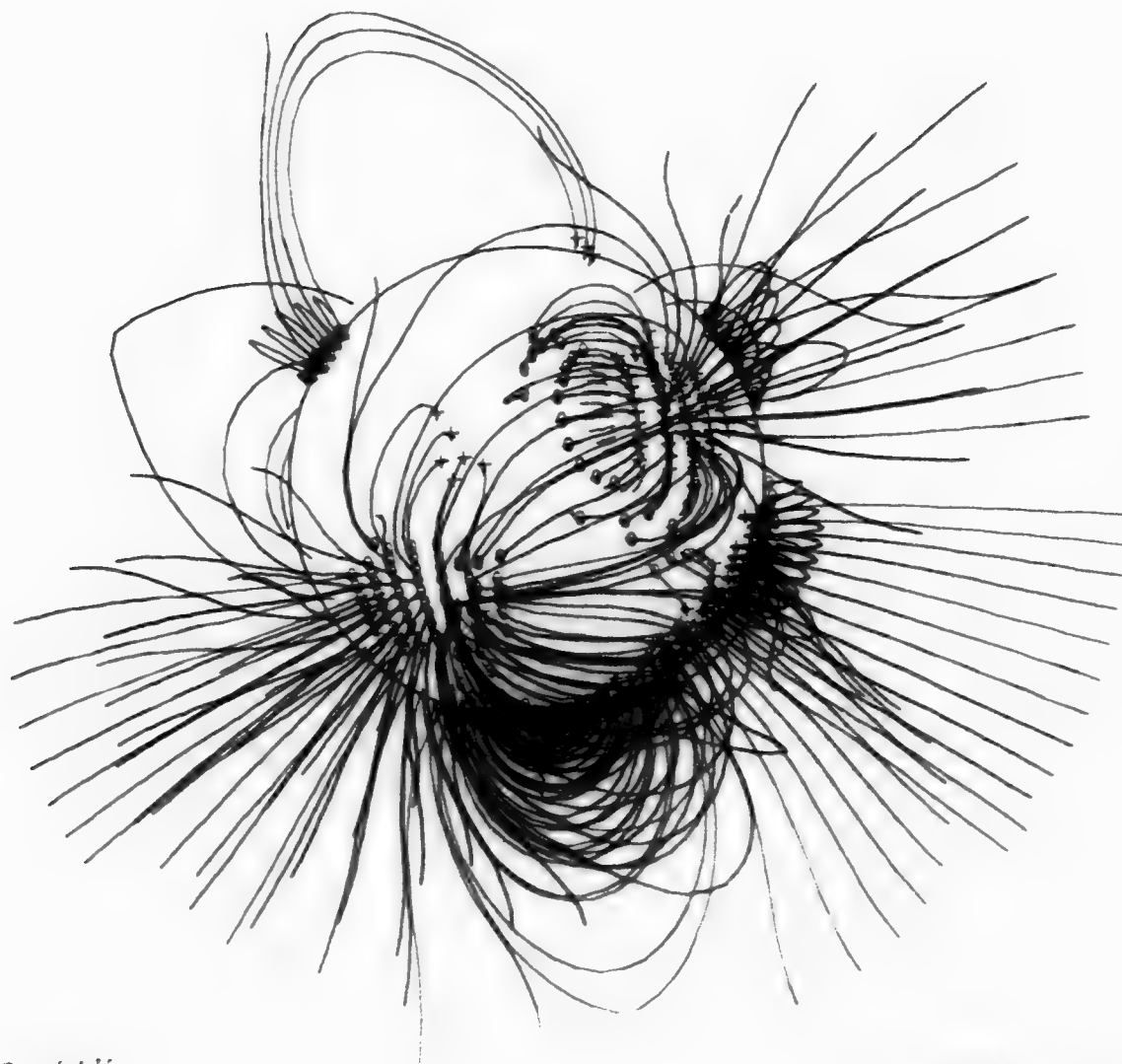
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

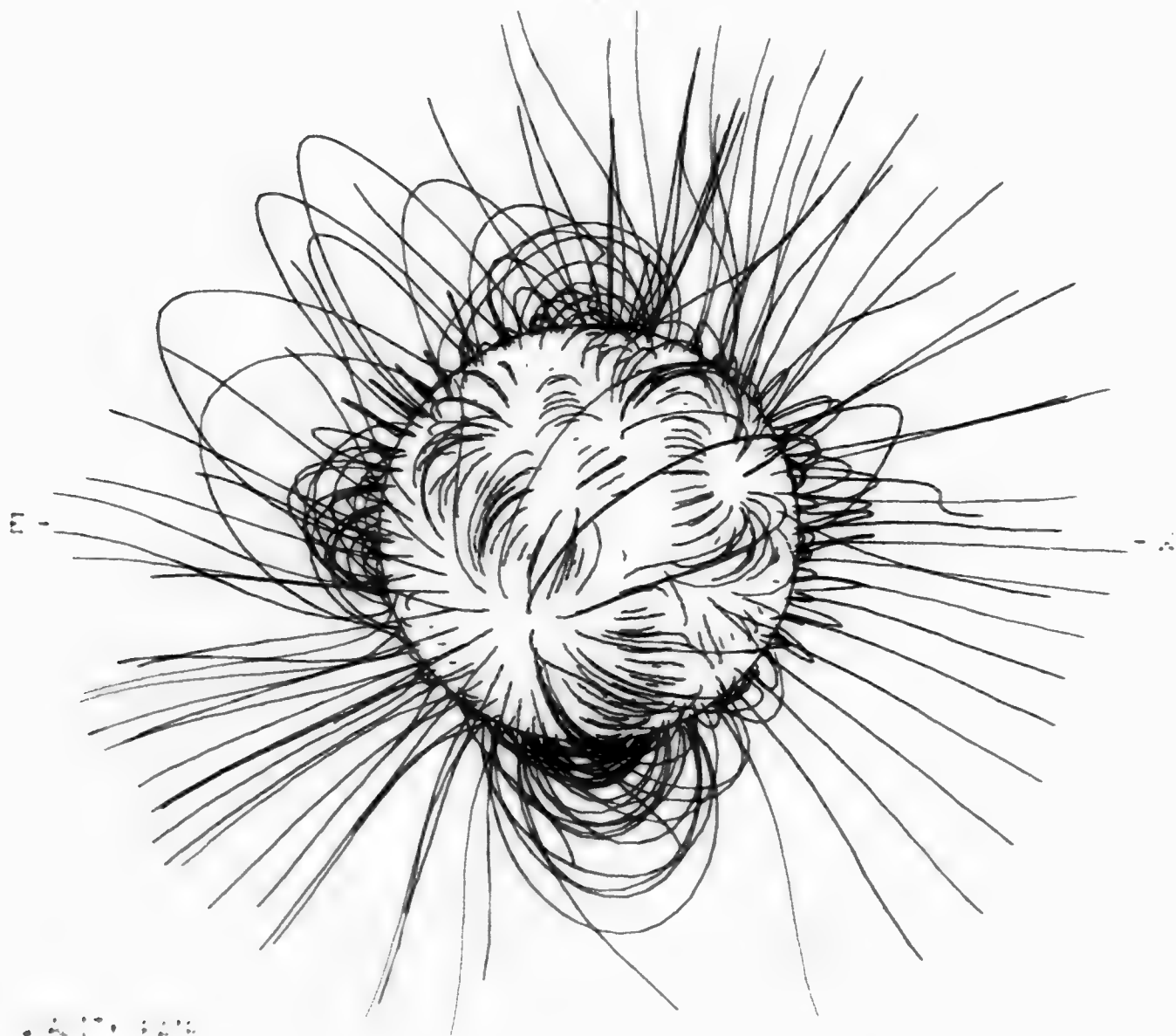
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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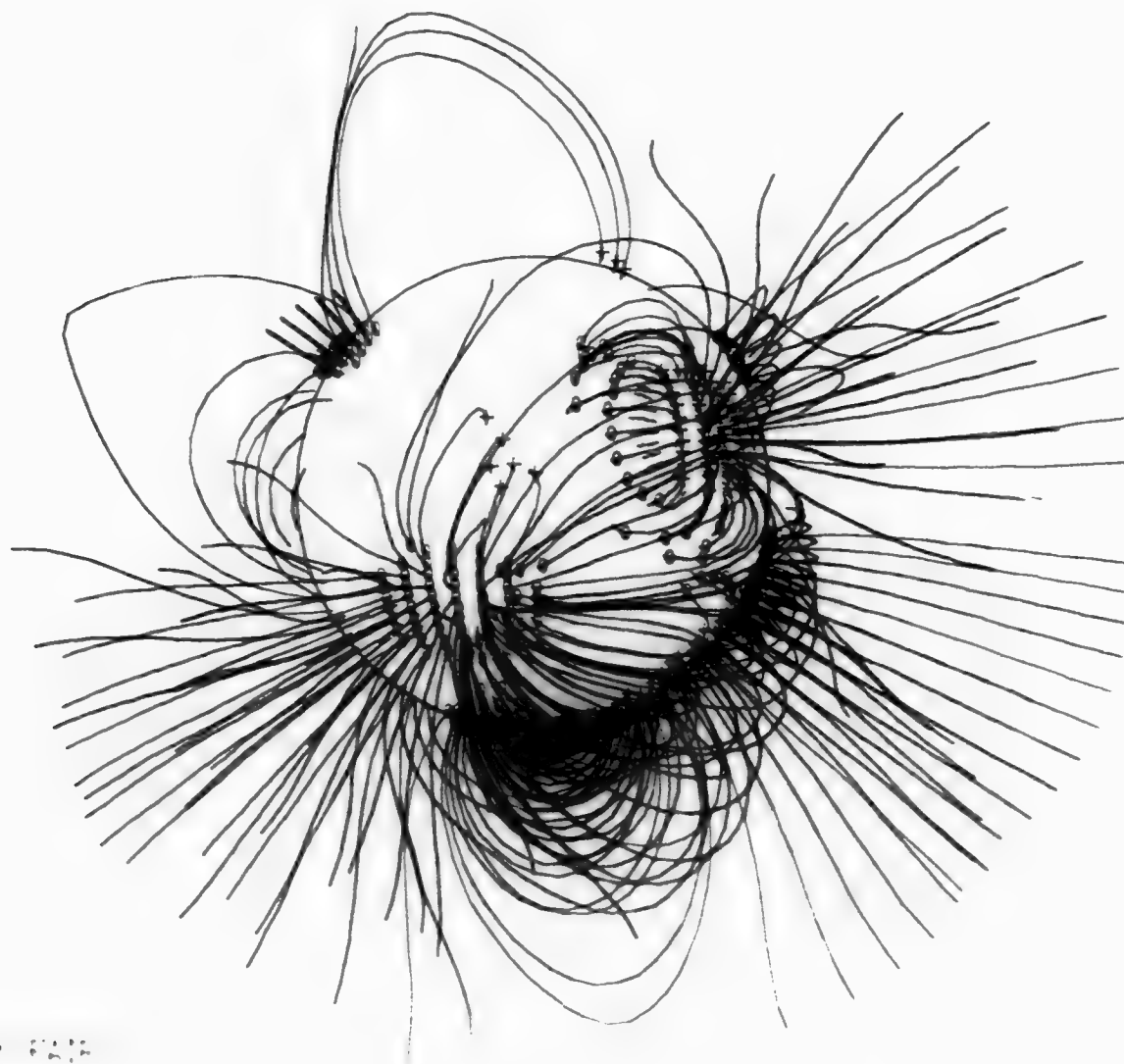
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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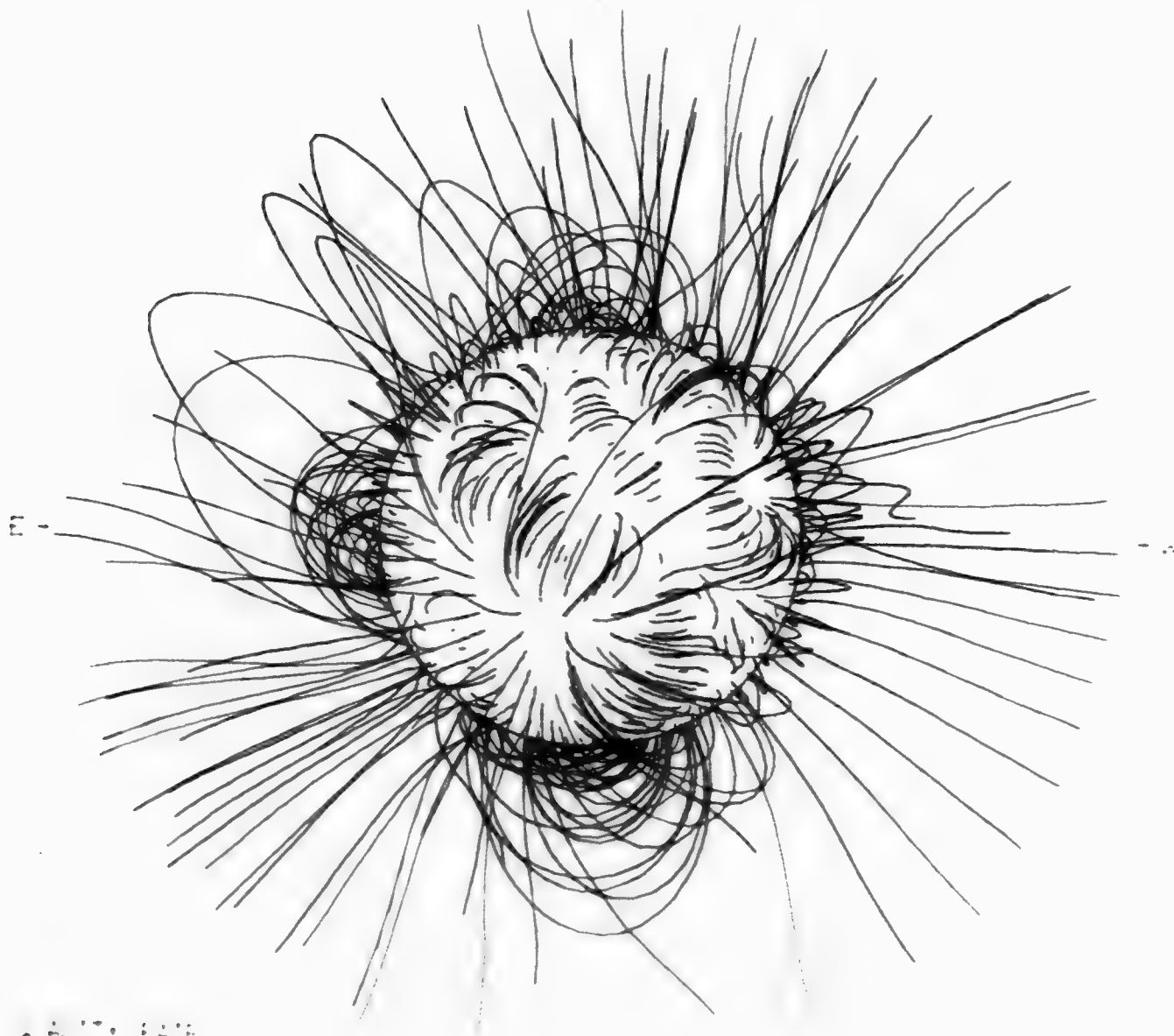
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

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 HAILE OBSERVATORIES

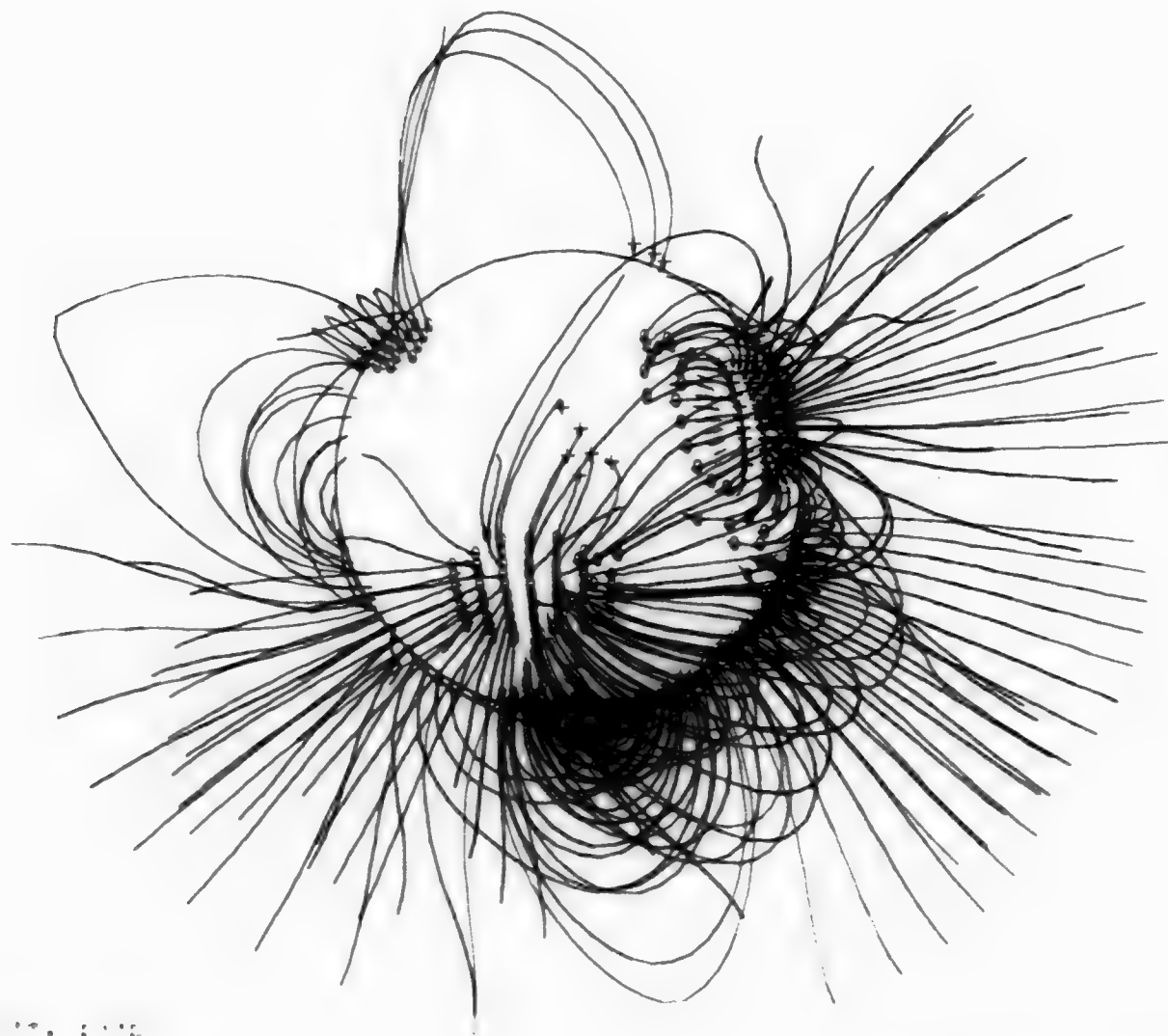
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO, COLORADO
 DATA FROM 1950-1951

HALE OBSERVATORY
 PUEBLO, COLORADO

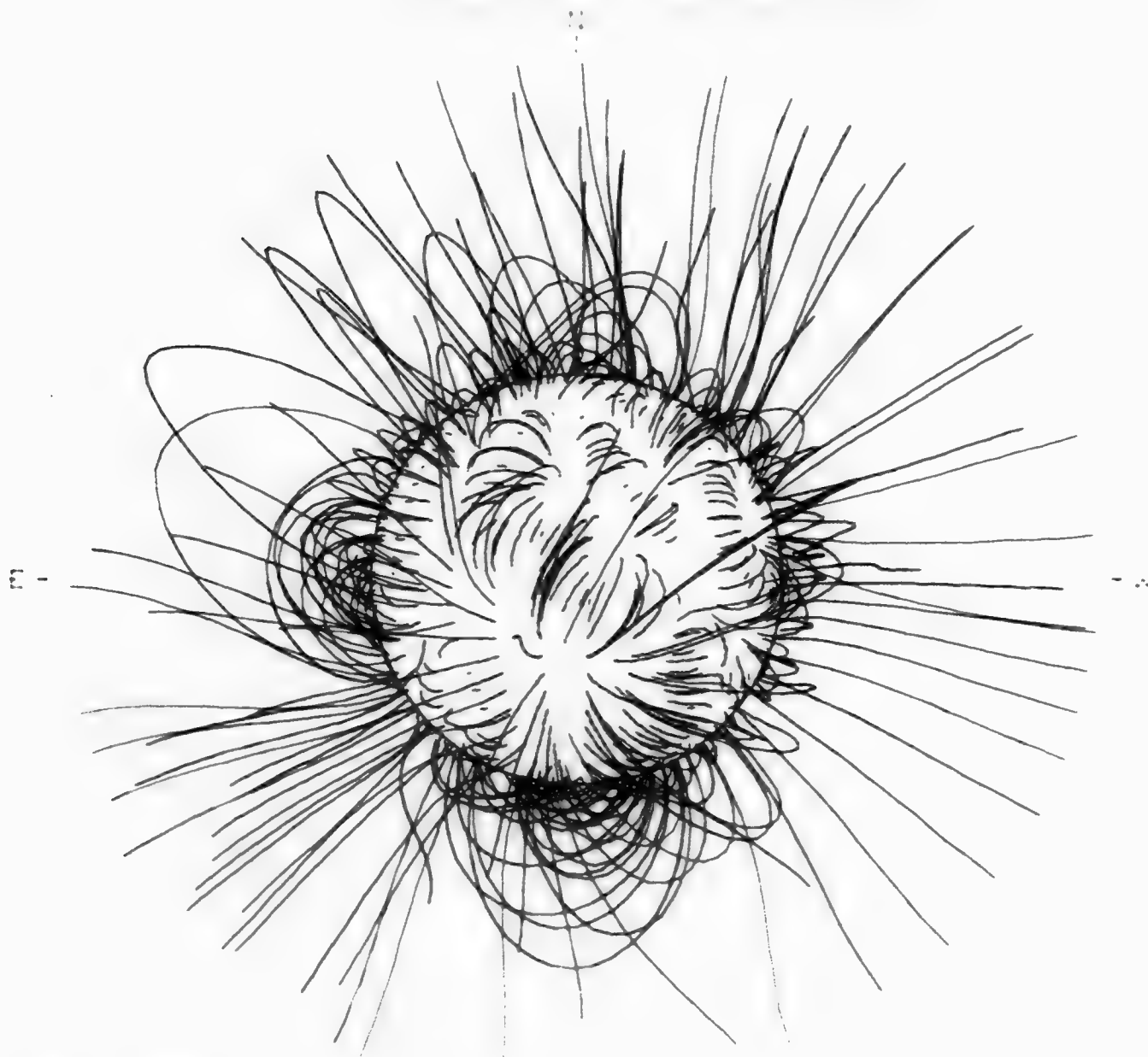
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

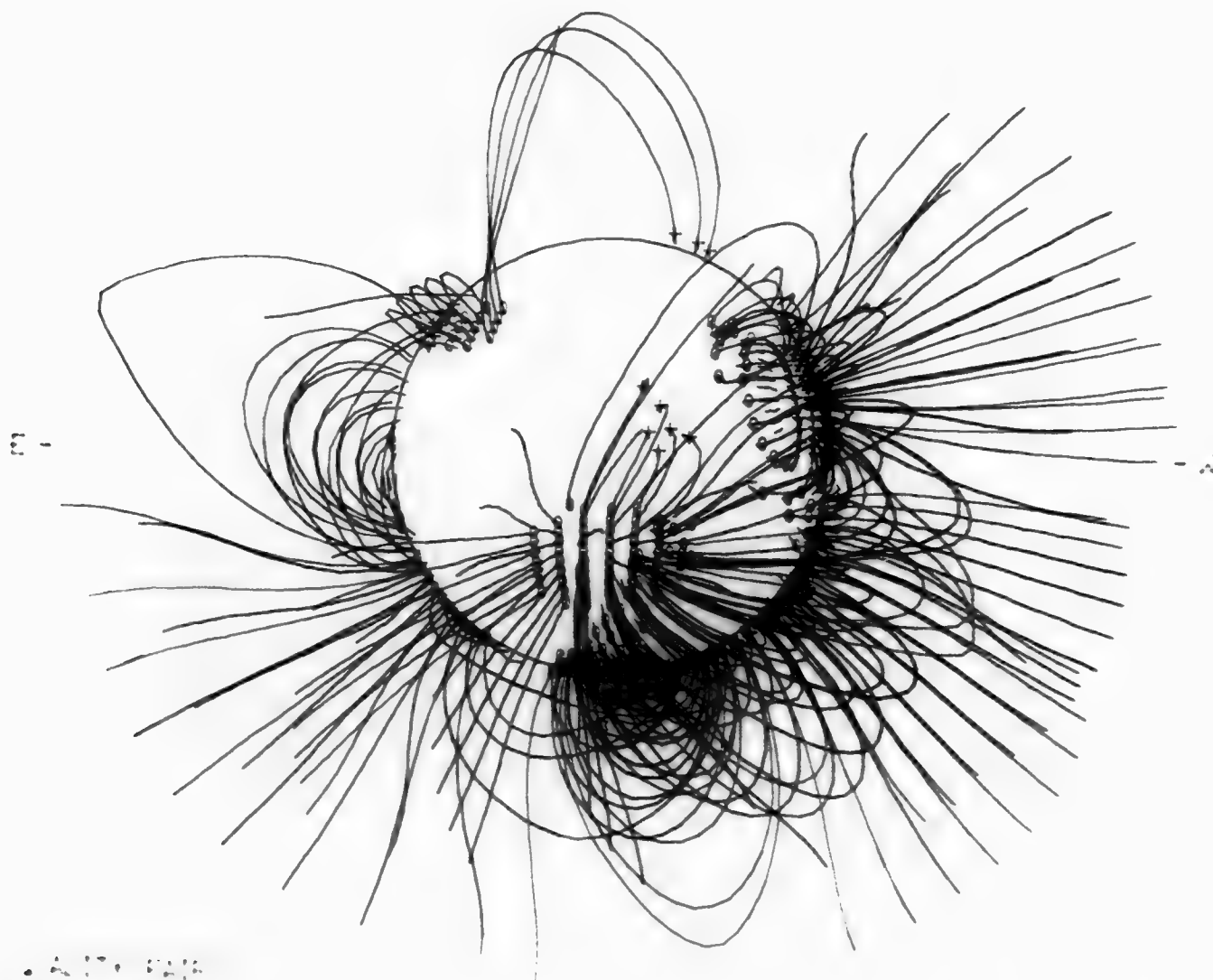
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

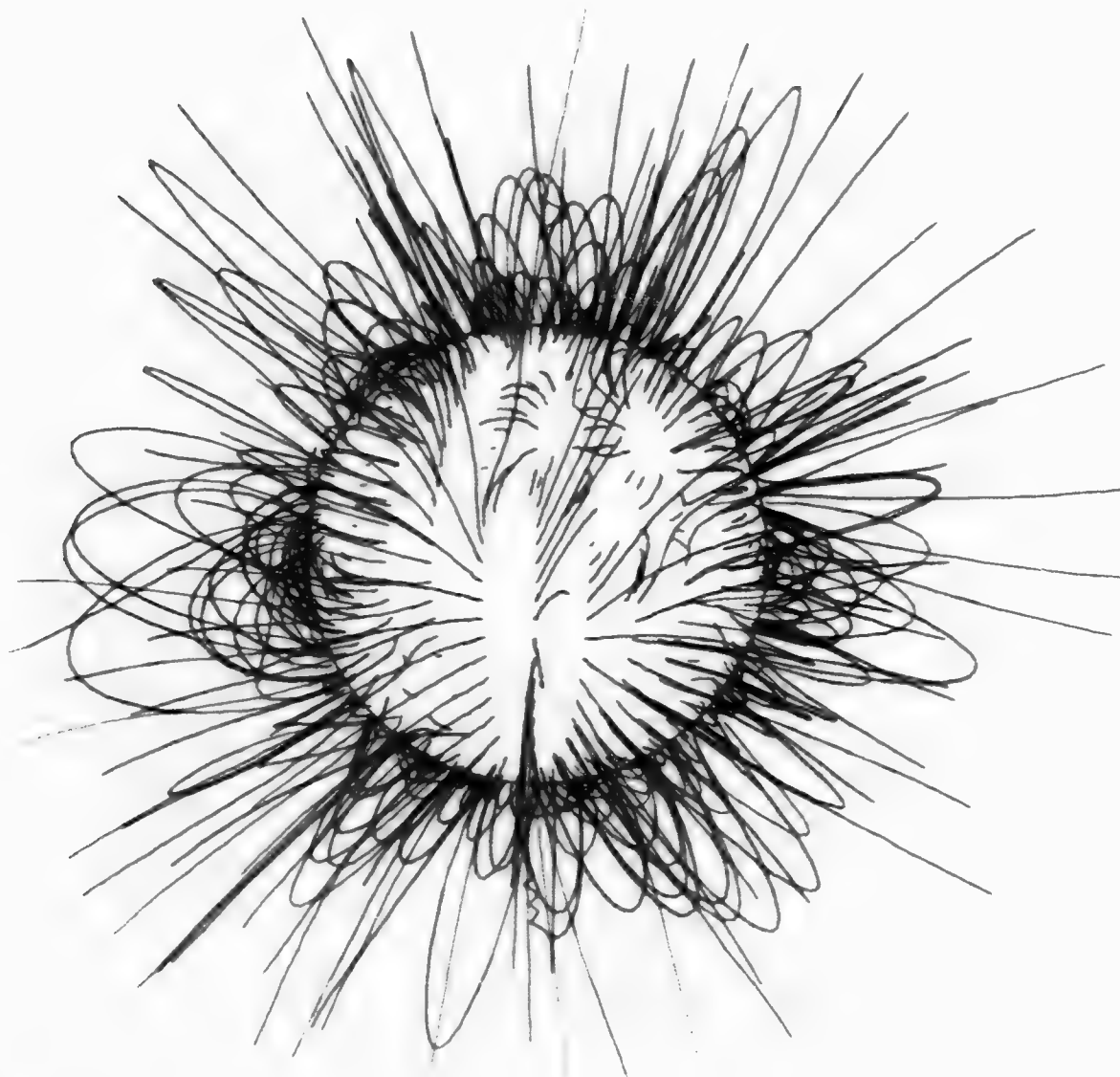
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



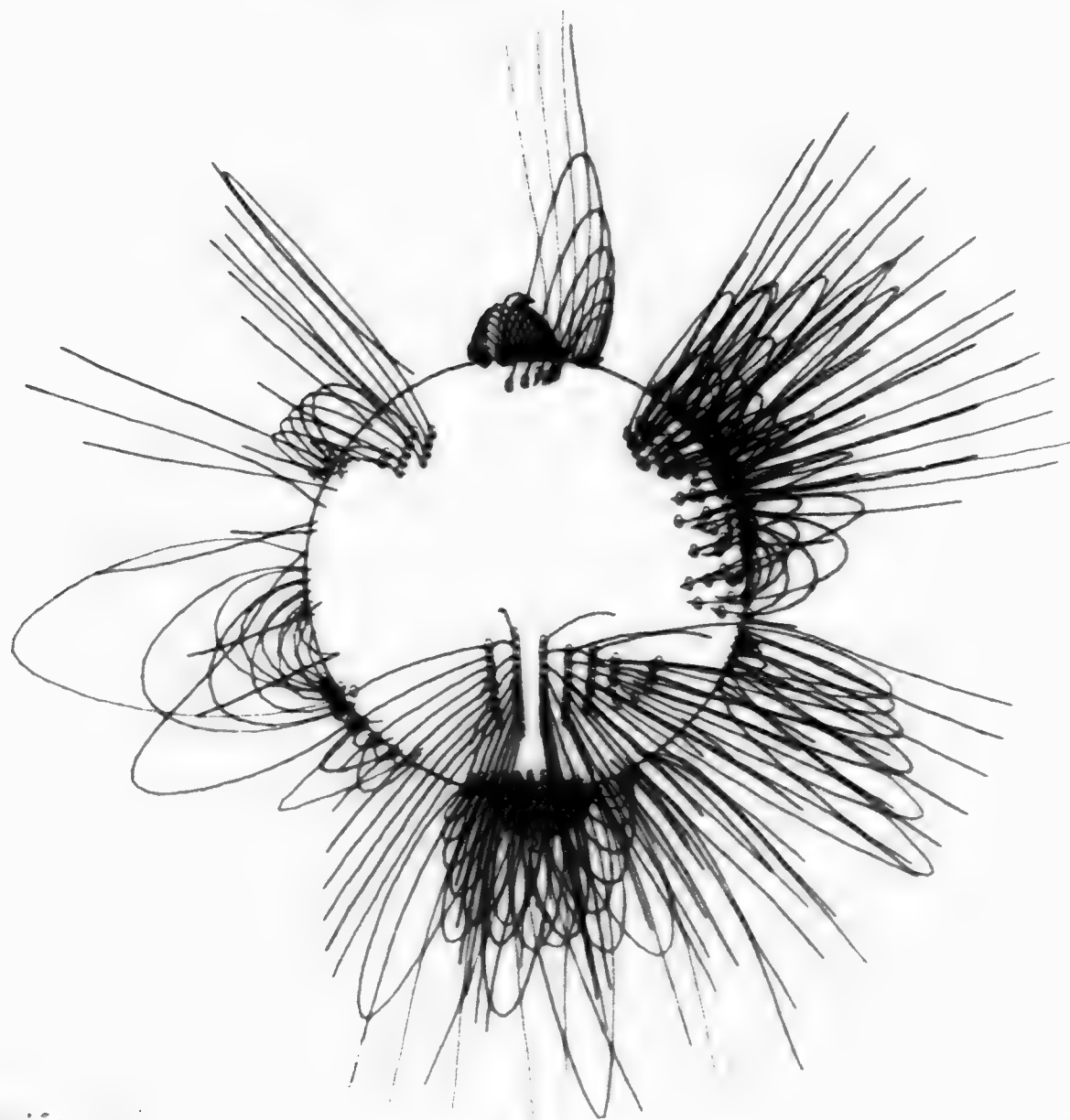
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HALE OBSERVATORY

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HALE OBSERVATORY

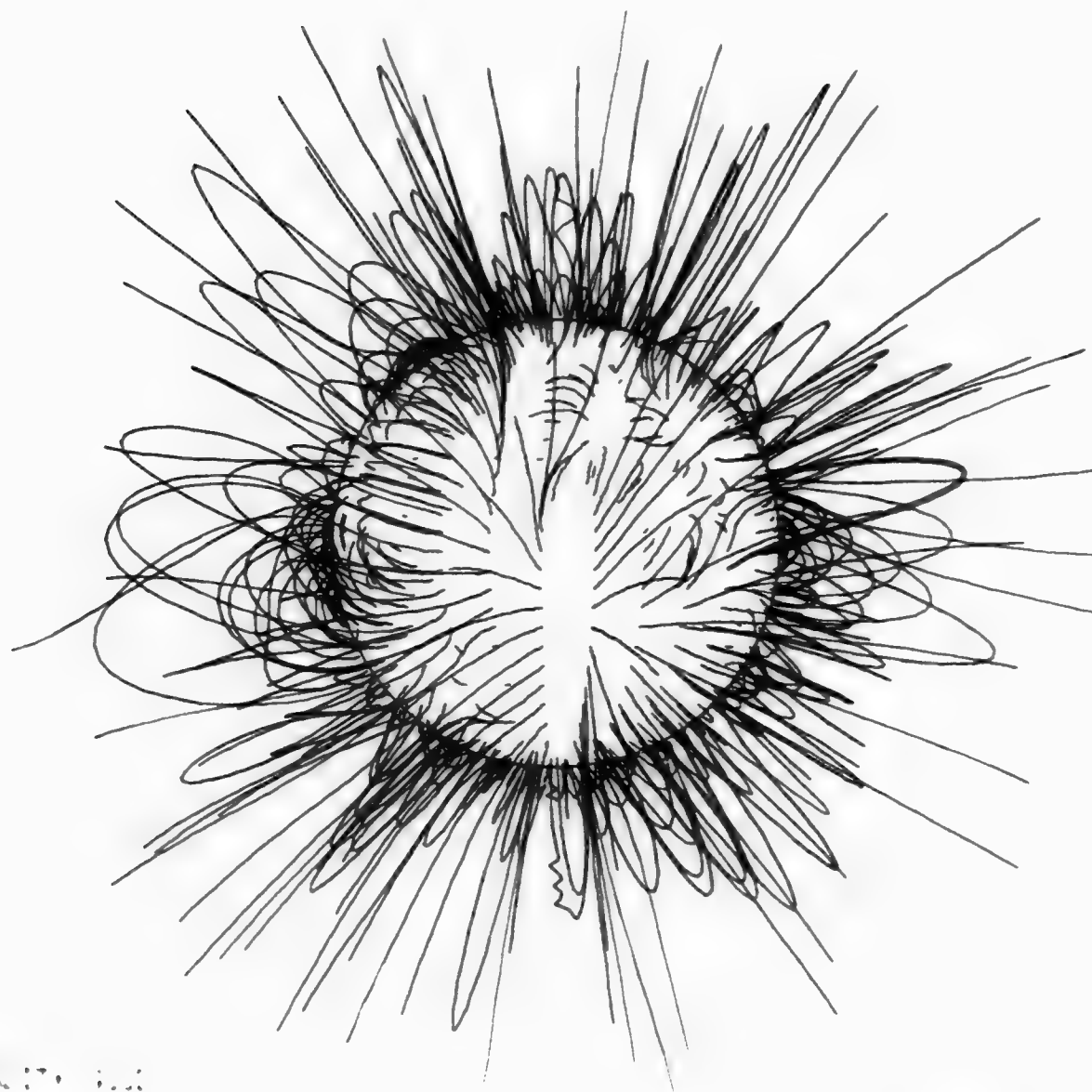
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



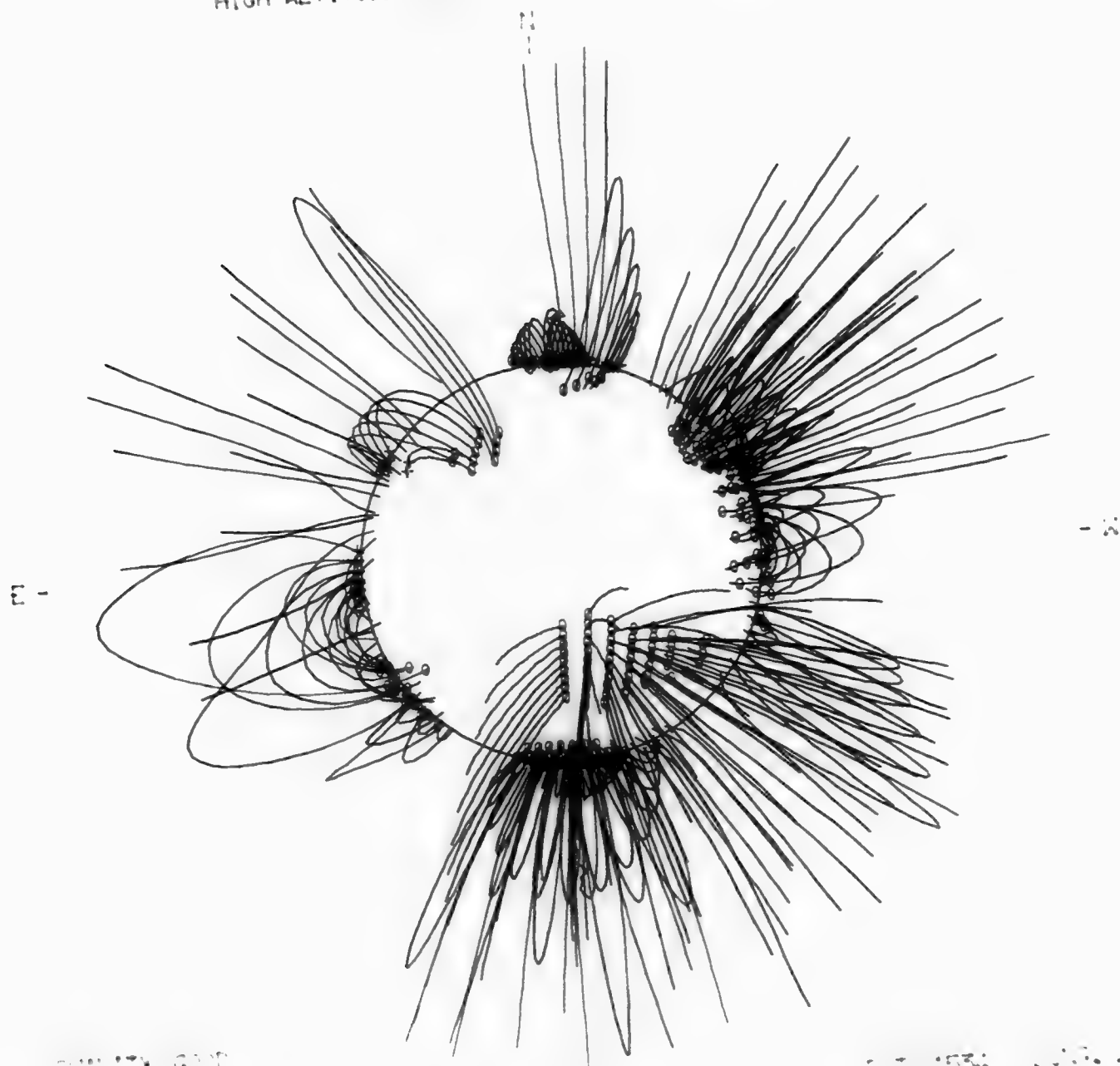
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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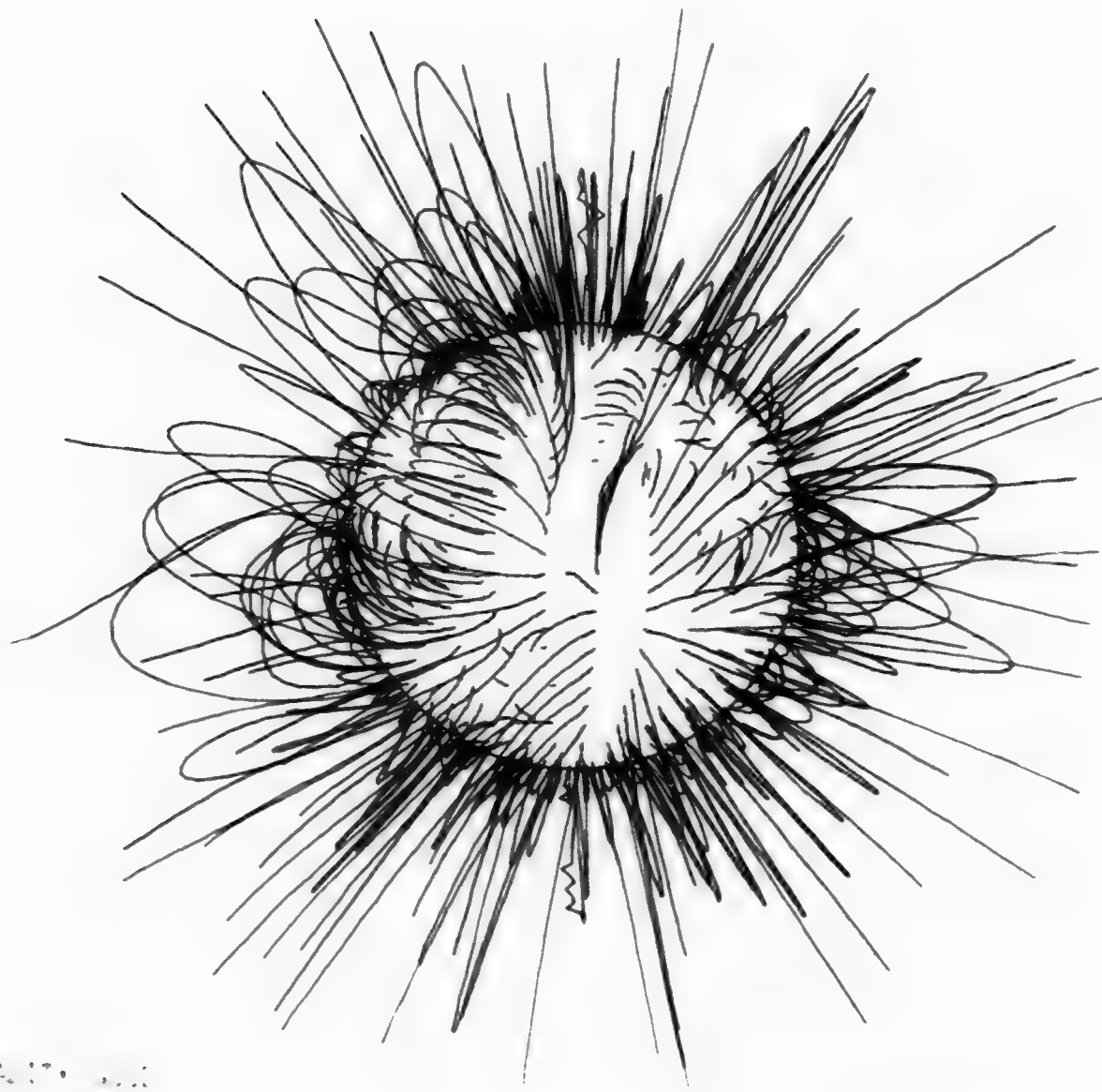
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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1950.00 1950.00
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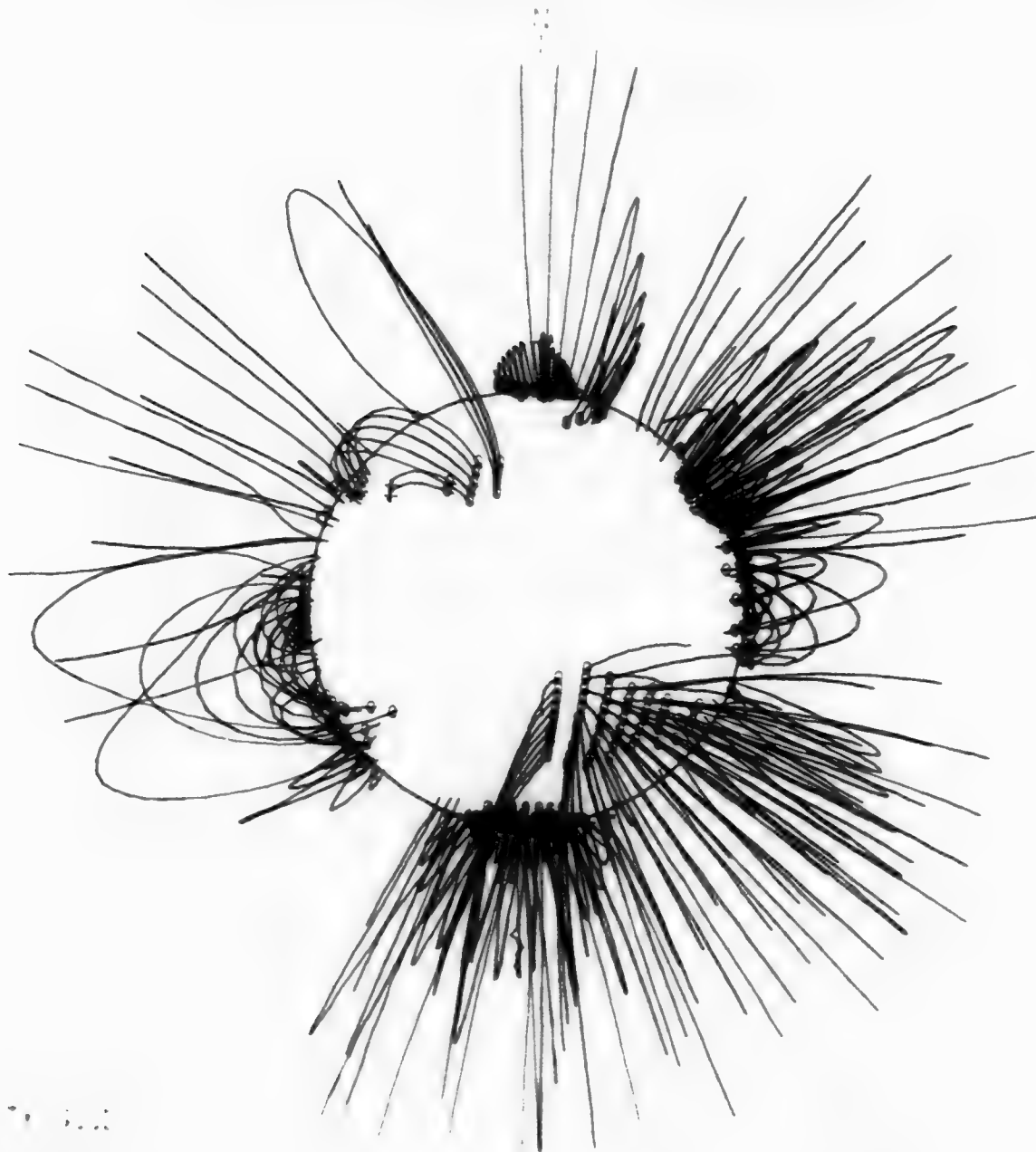
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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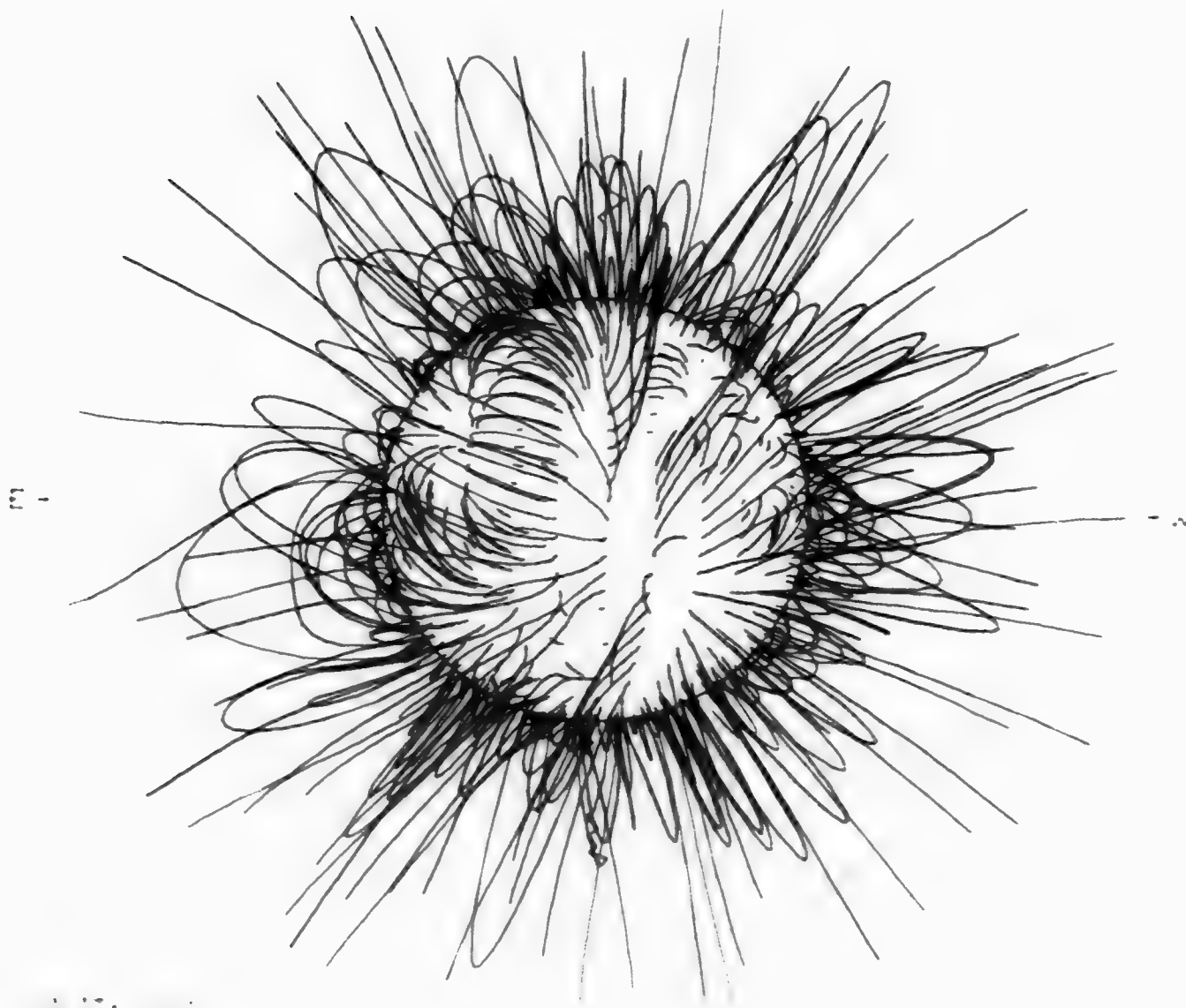
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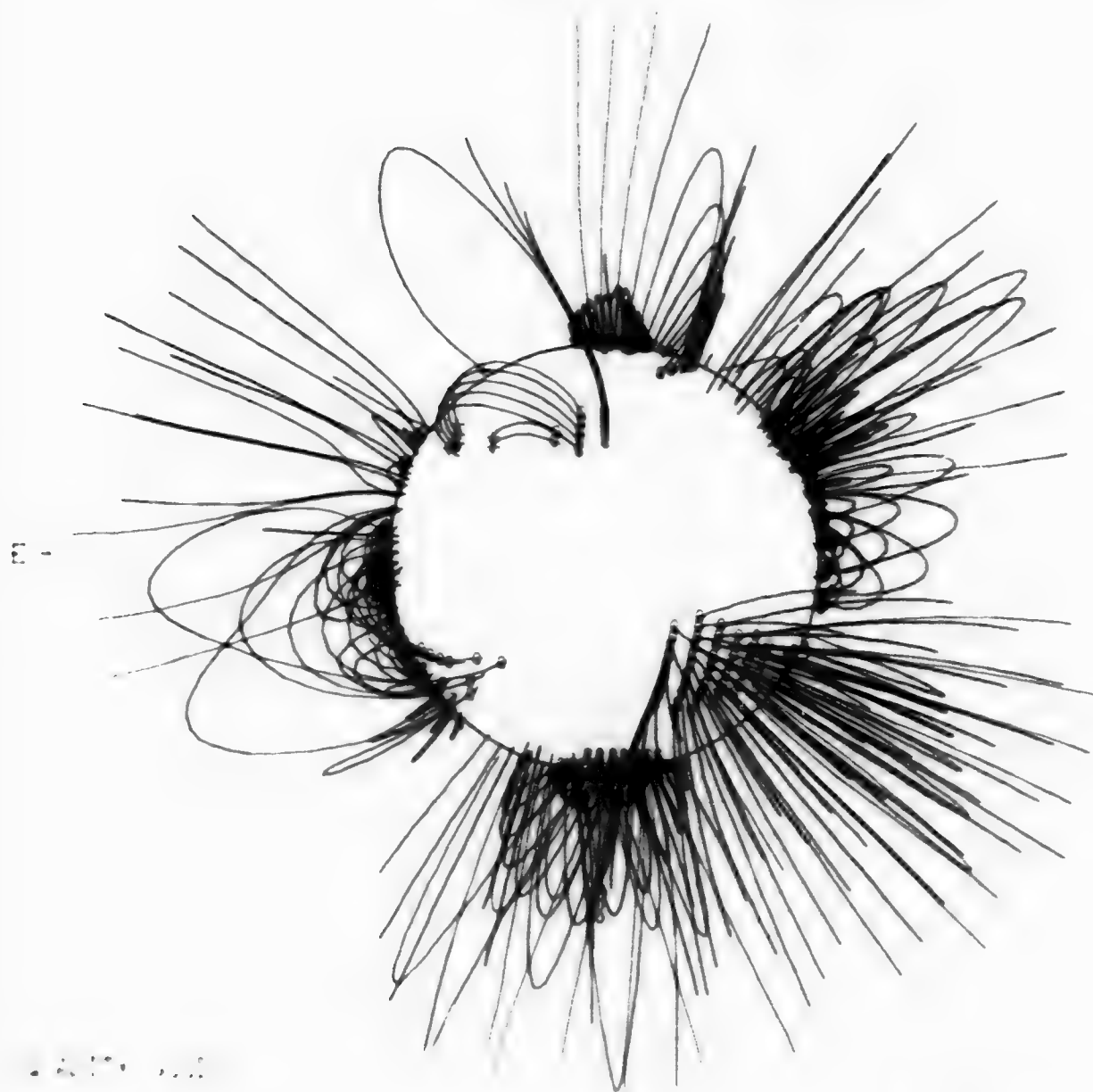
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
FILED COPY
DATE 10/10/1960

HALE OBSERVATORY
FILED COPY
DATE 10/10/1960

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
1917-1918
1919-1920

HALE OBSERVATORY
1921-1922
1923-1924

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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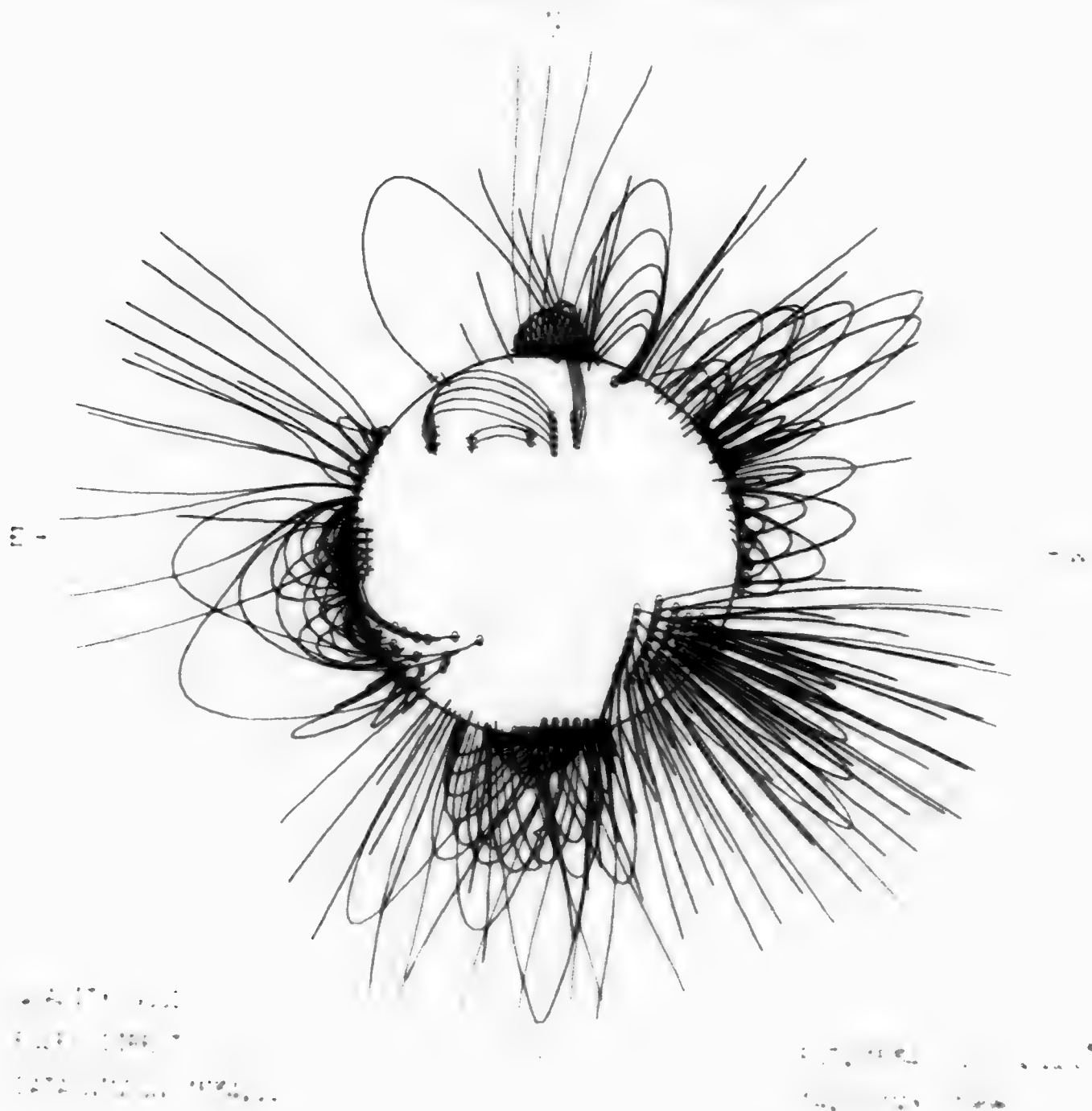
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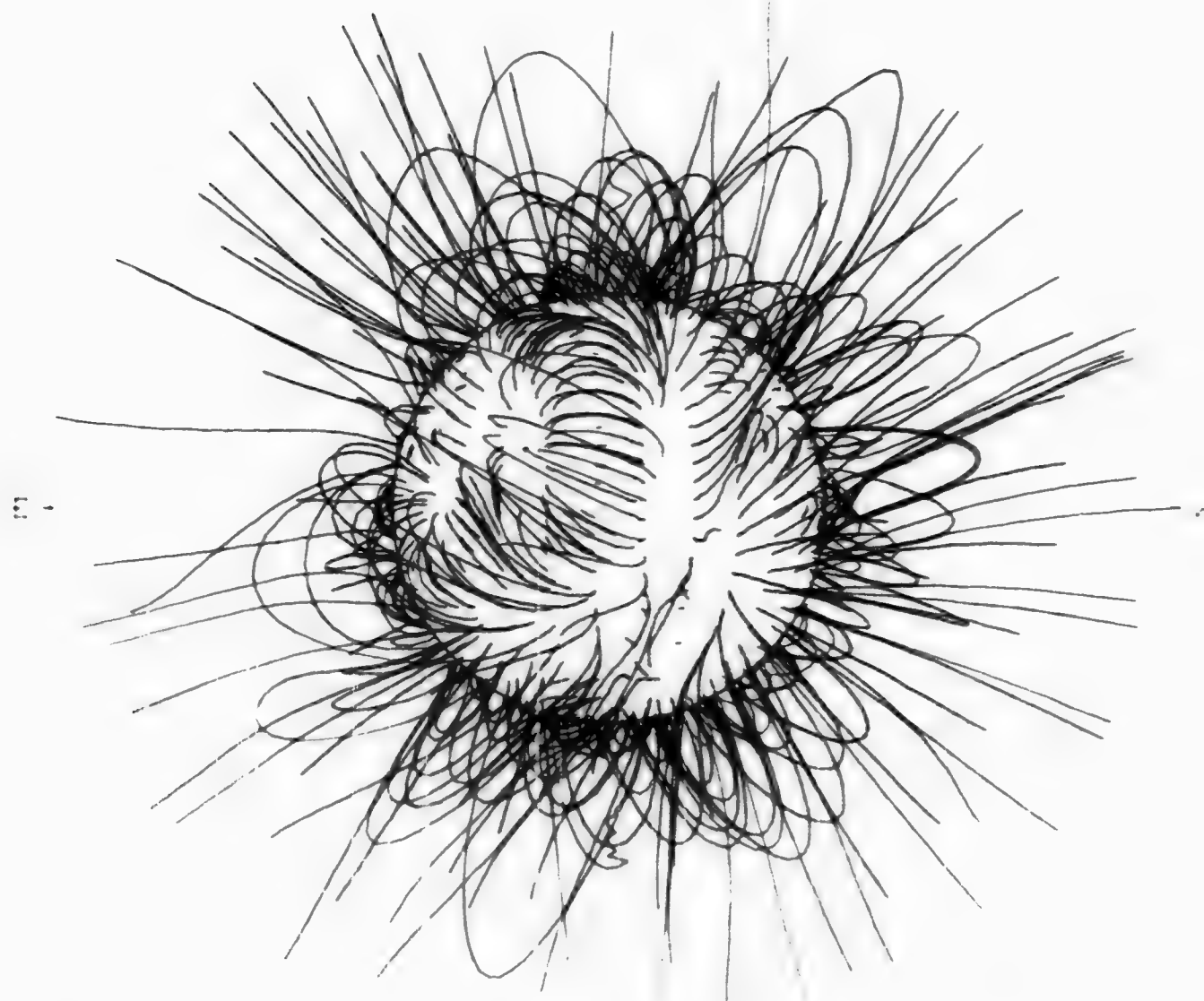
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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



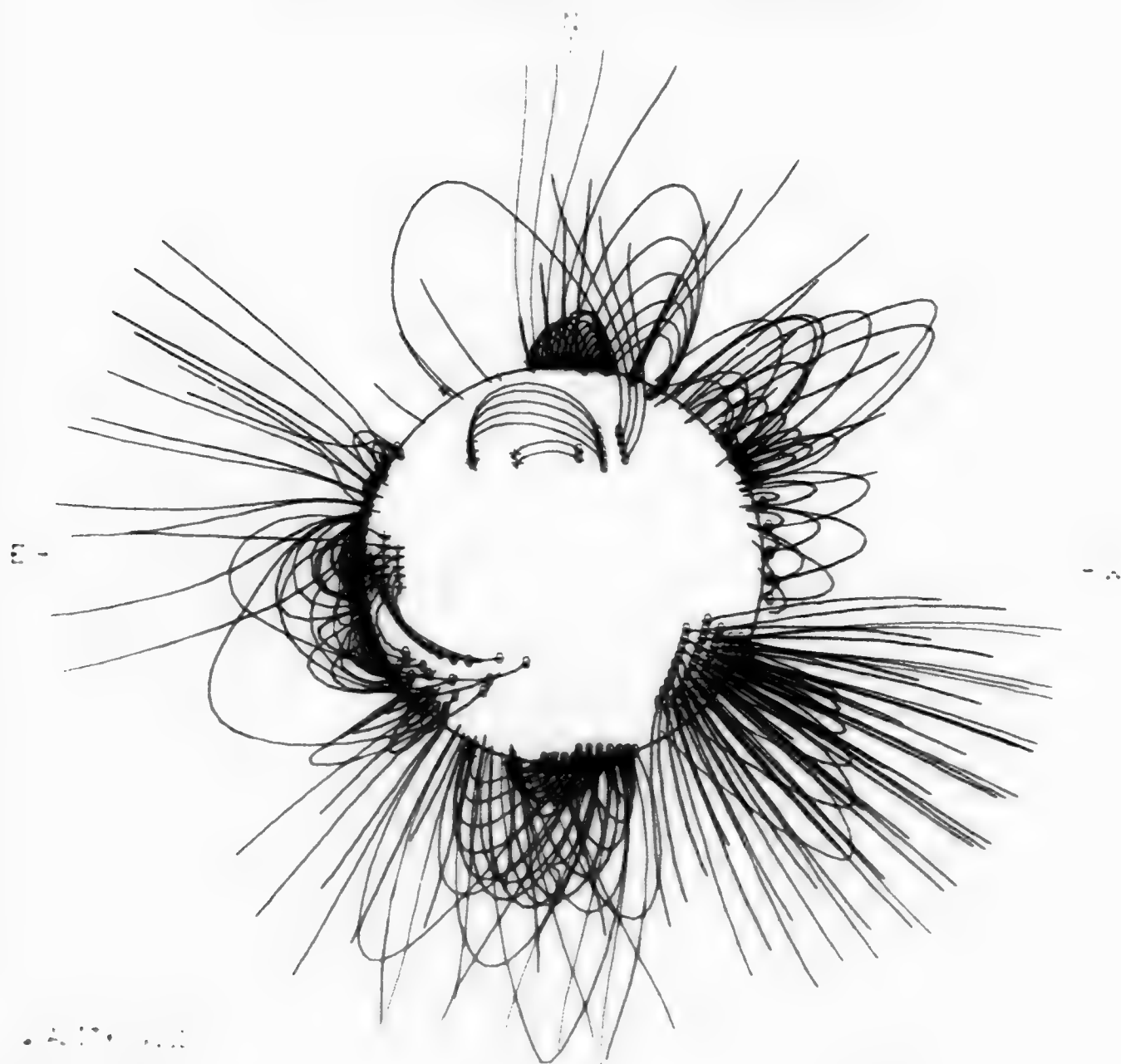
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

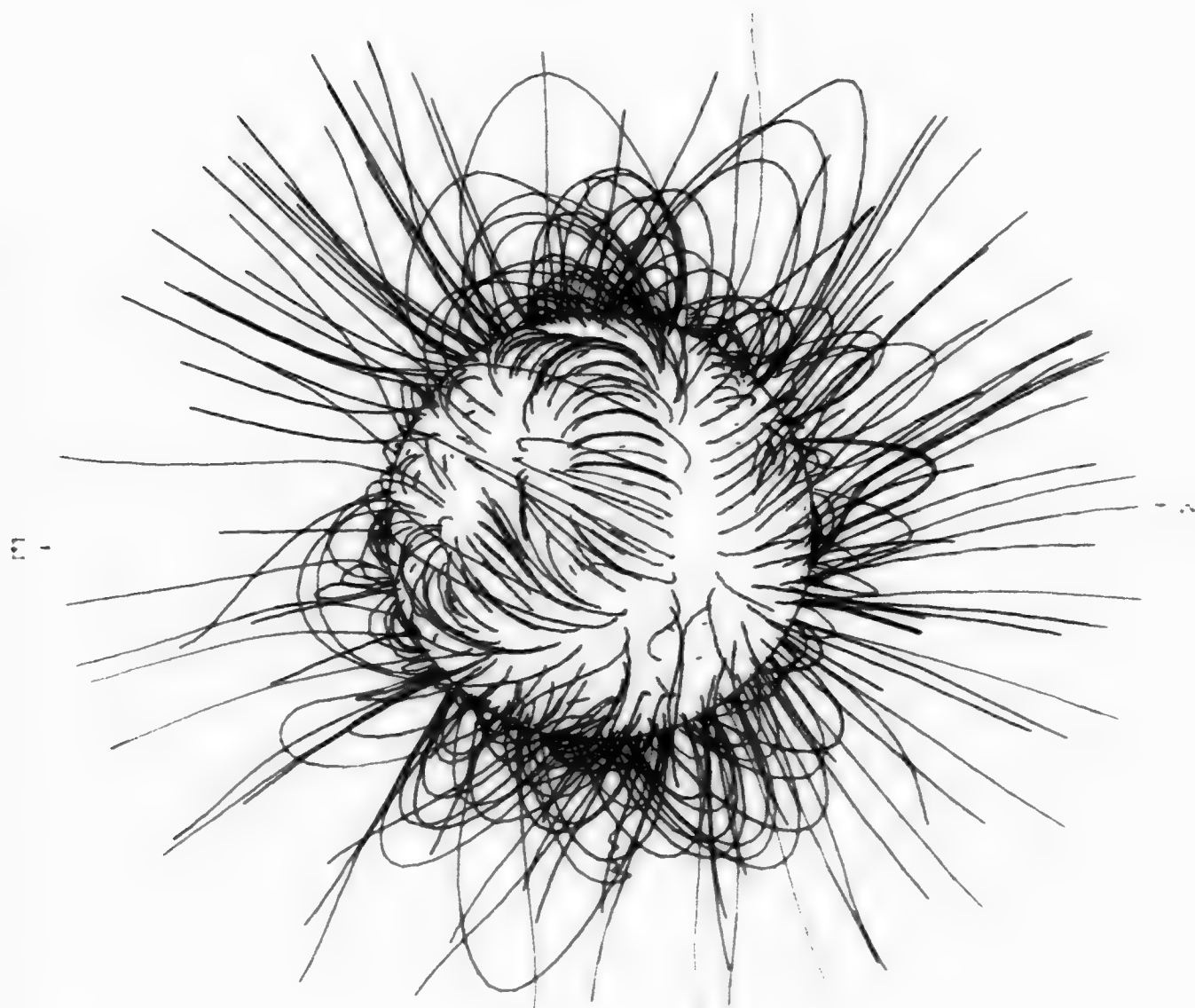
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1910
 1911-1912

HALE OBSERVATORY
 1913-1914
 1915-1916

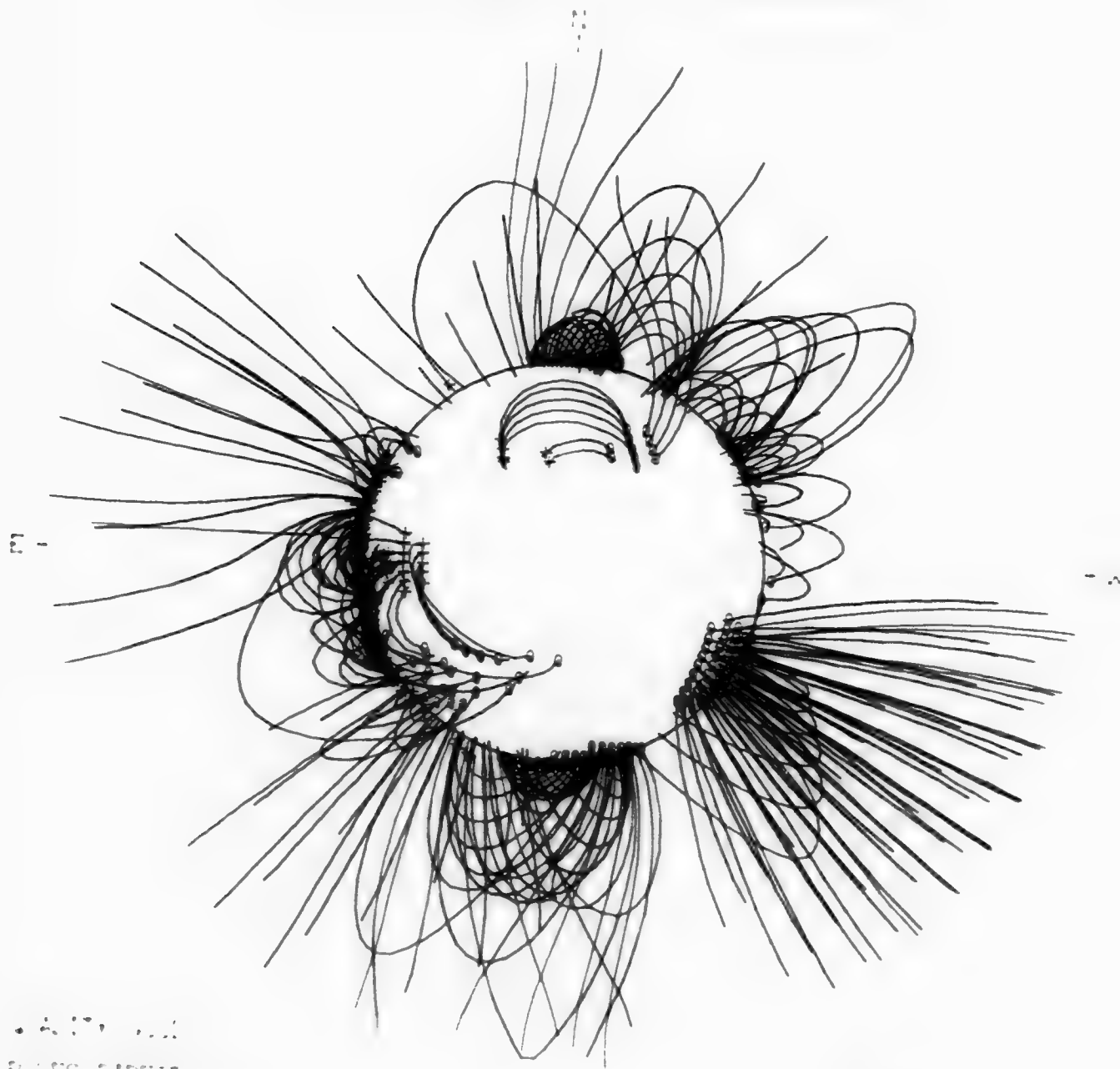
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

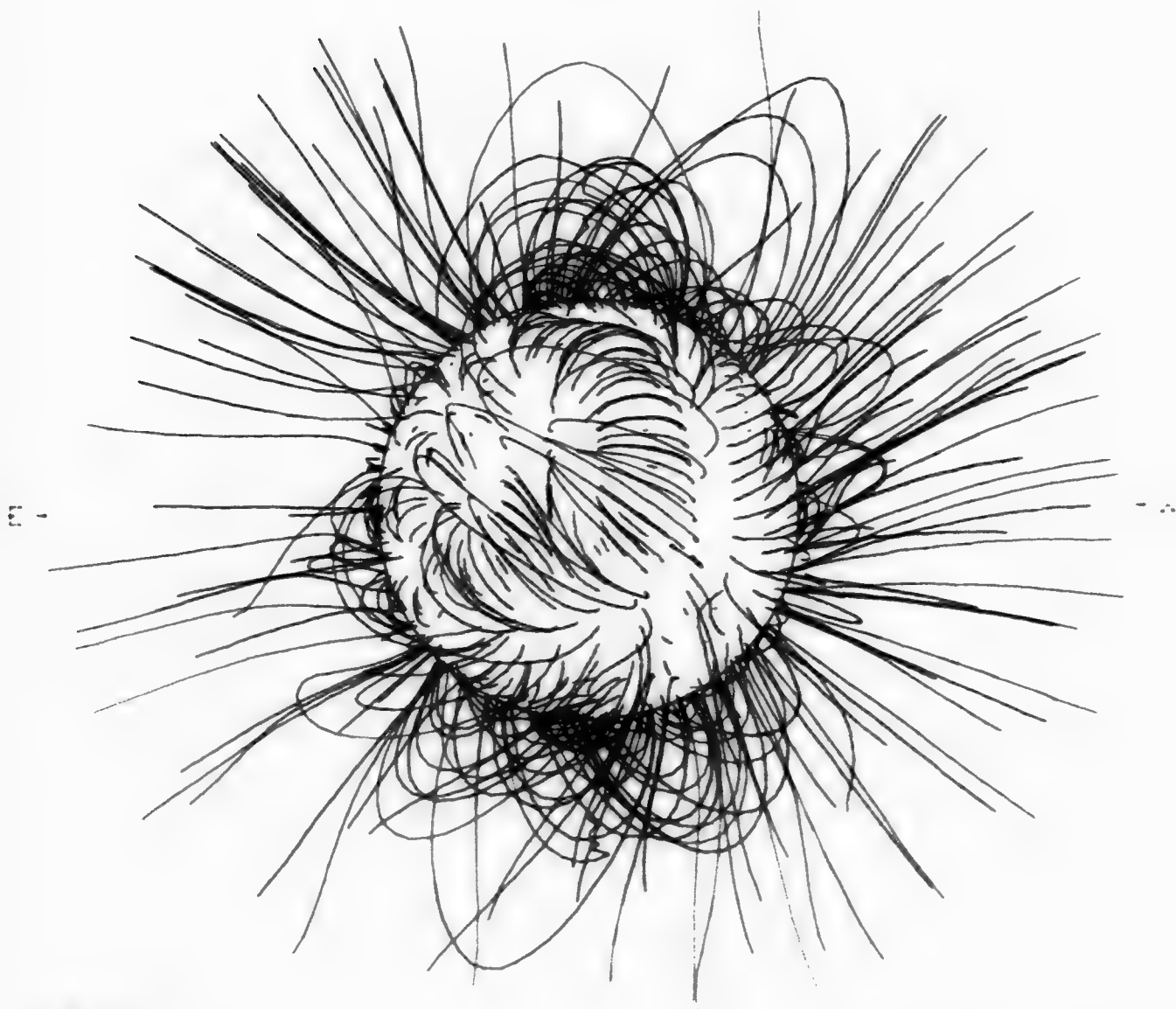
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 DATA AND IN 1948...

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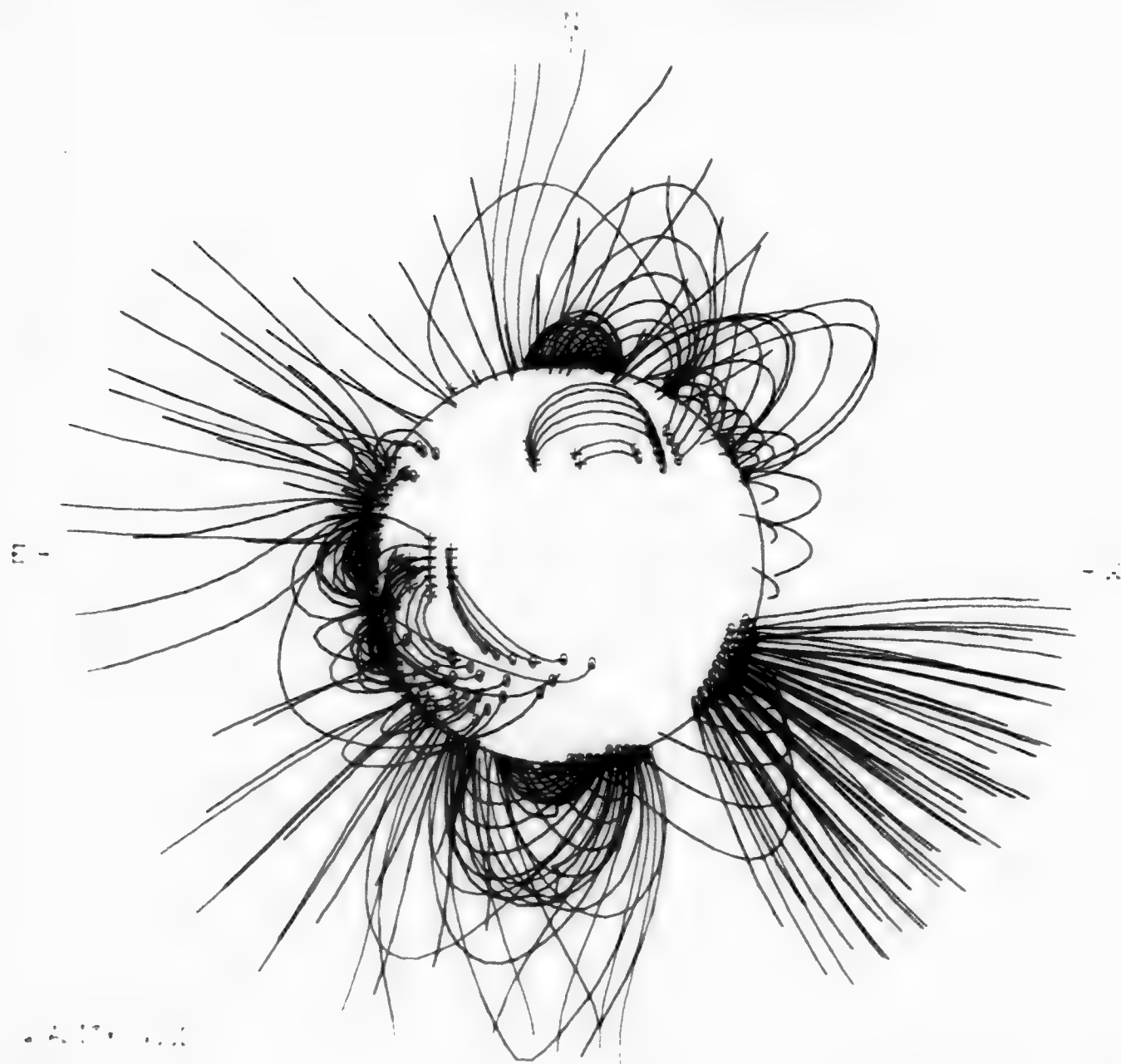
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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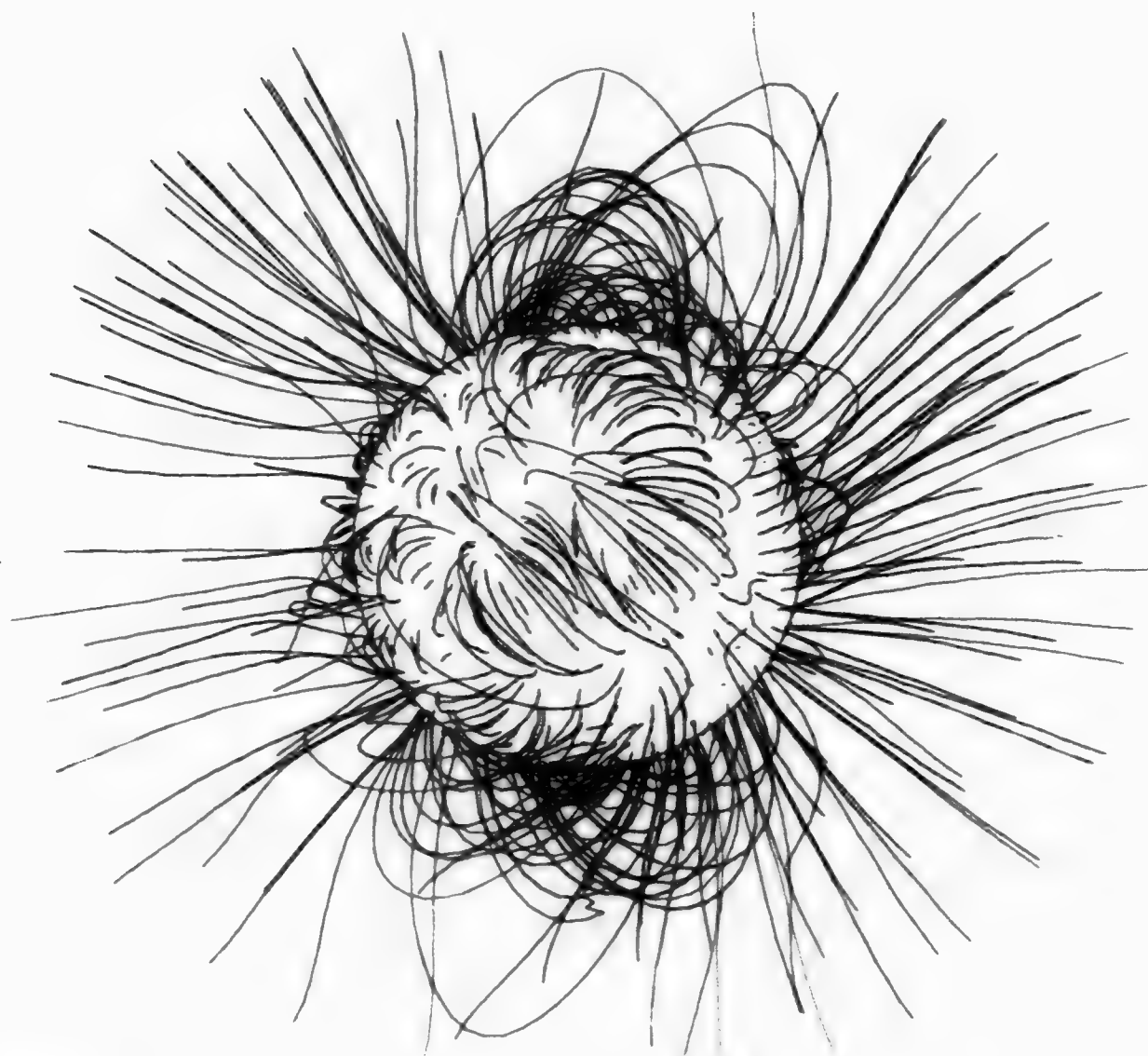
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO, COLORADO
 1908-1909

HALE OBSERVATORY
 PUEBLO, COLORADO
 1908-1909

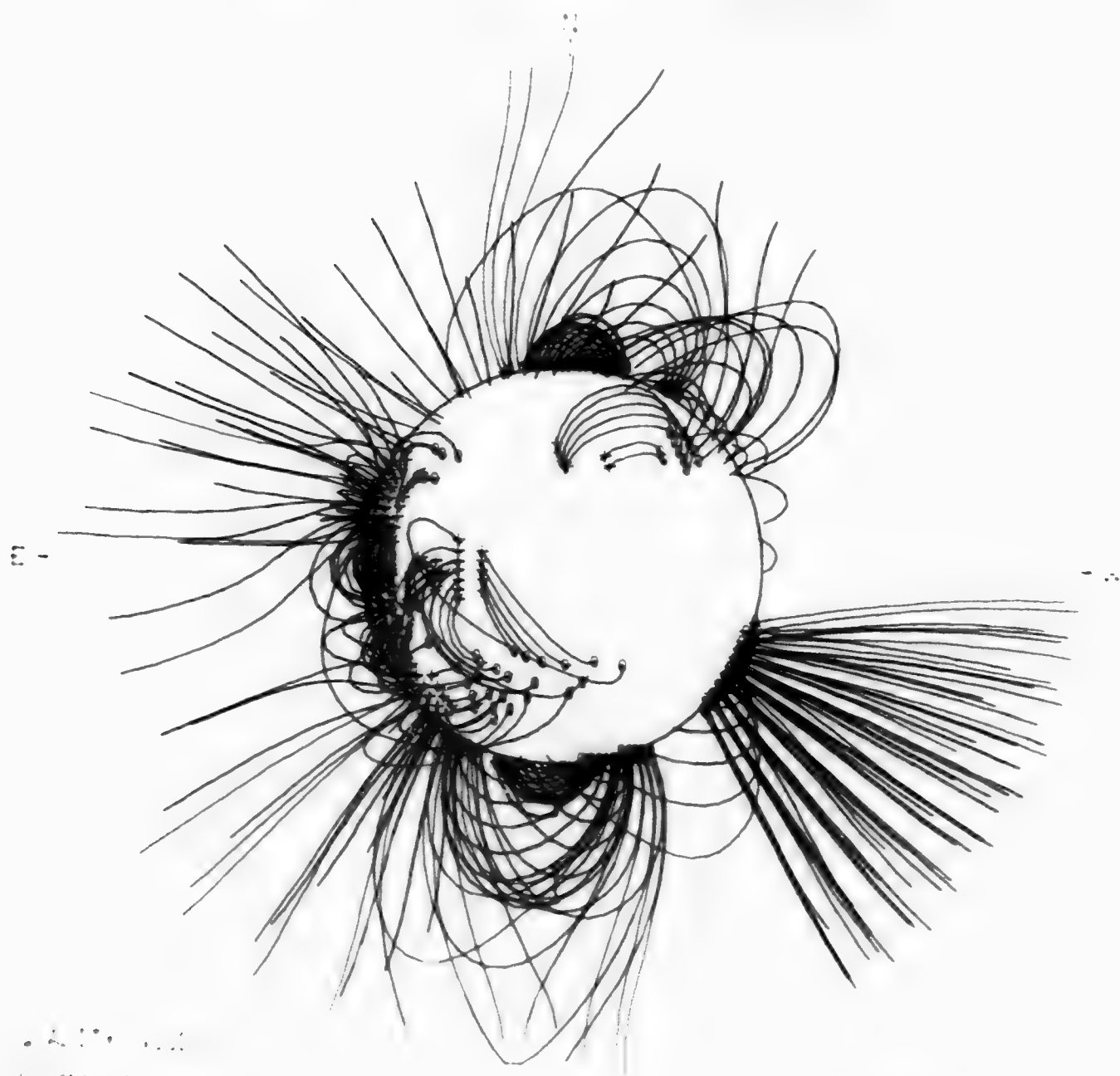
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PULSED FIELD
DATA AND/OR RECORD

HALE OBSERVATORY
PULSED FIELD
DATA AND/OR RECORD

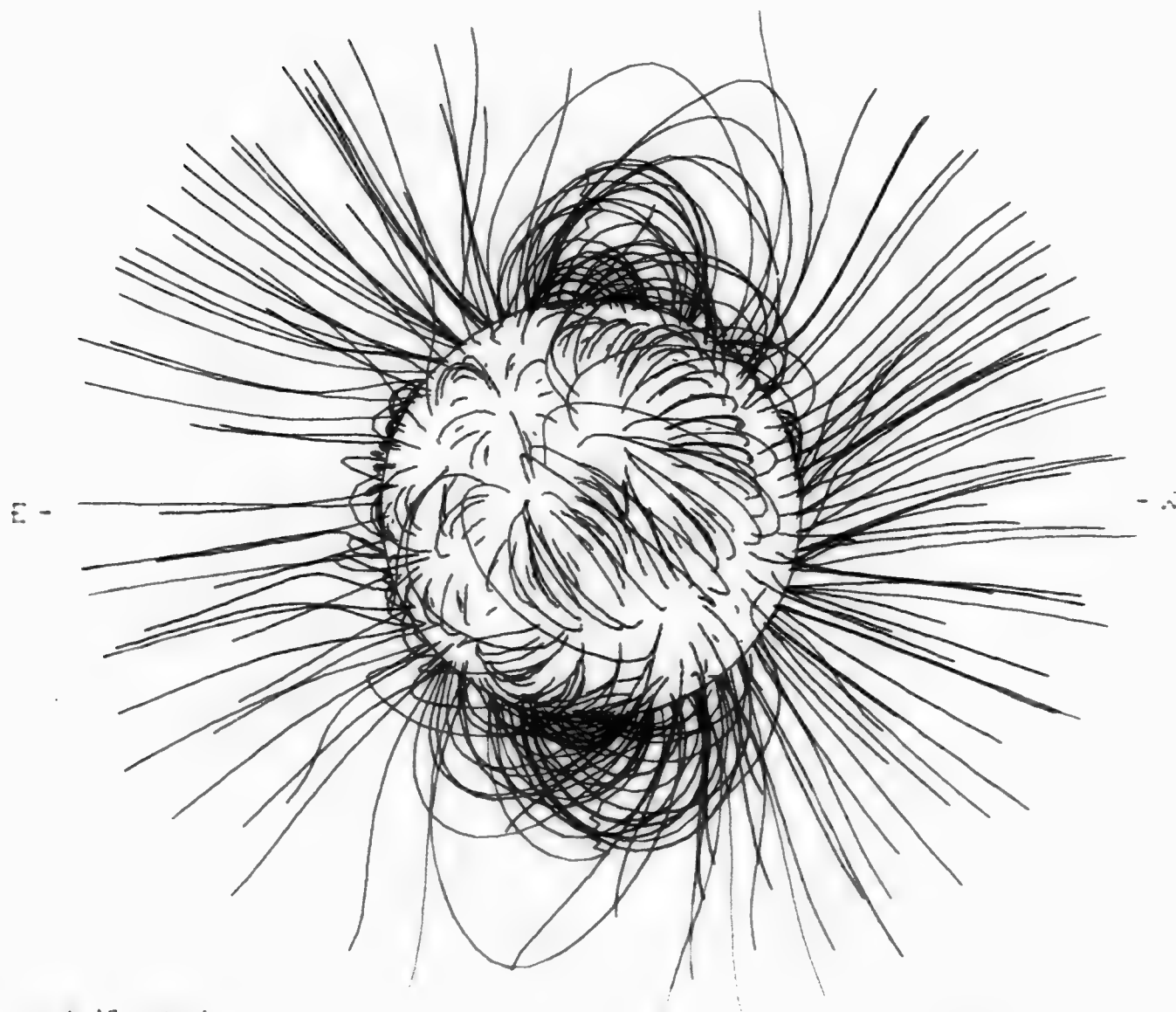
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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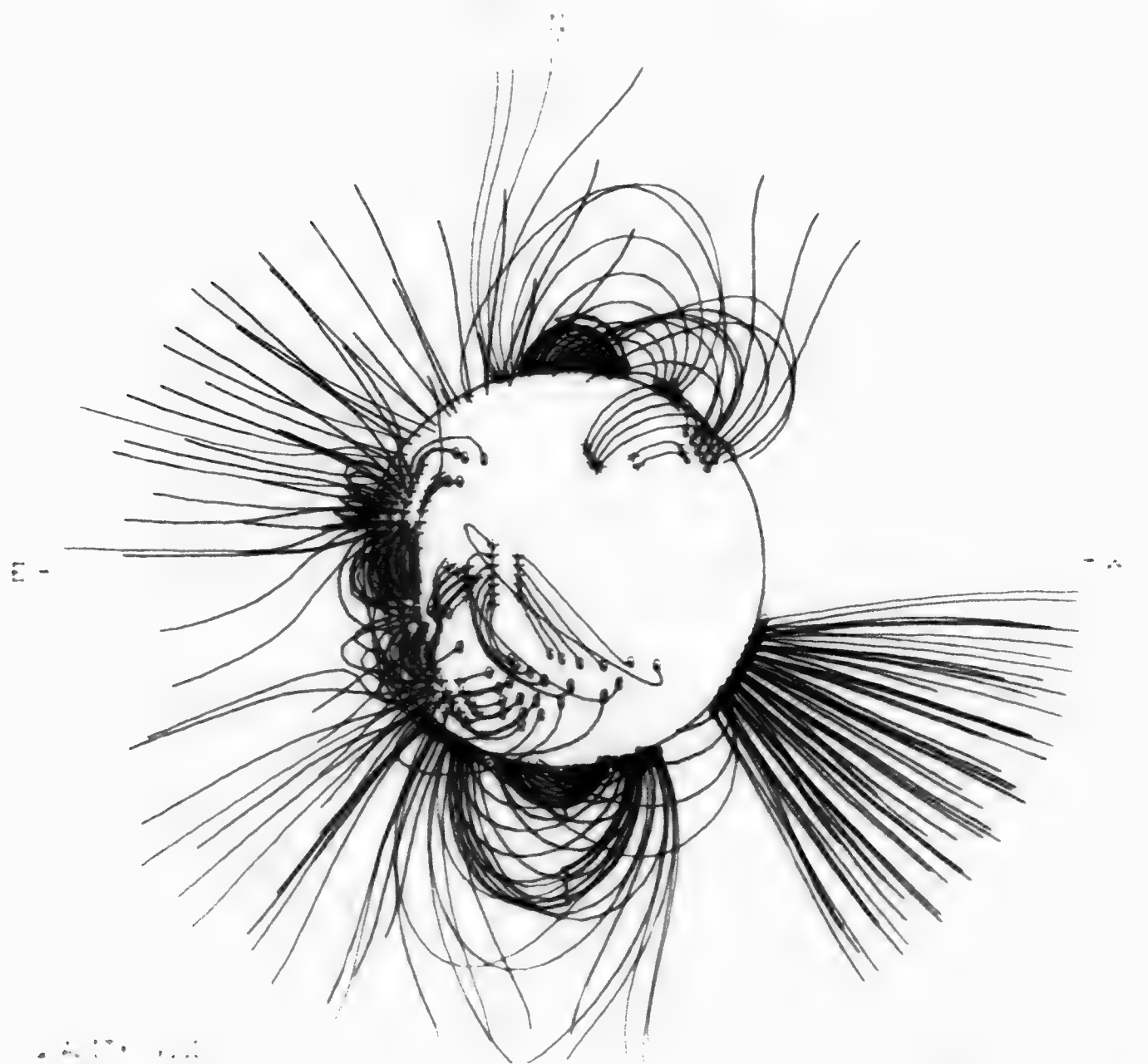
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES 100-101
 DATA 1964...

HALE OBSERVATORY
 DATA 1964...

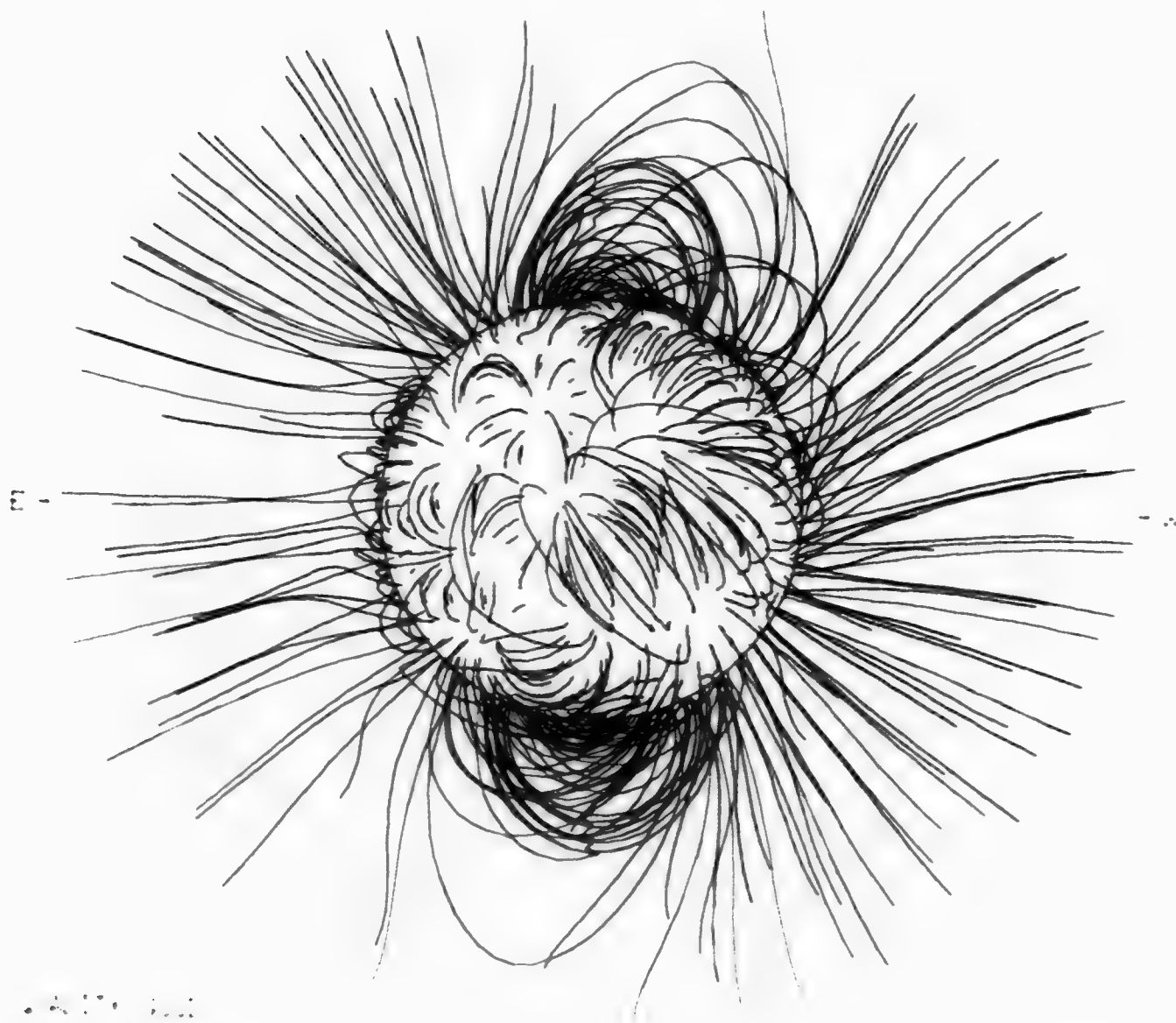
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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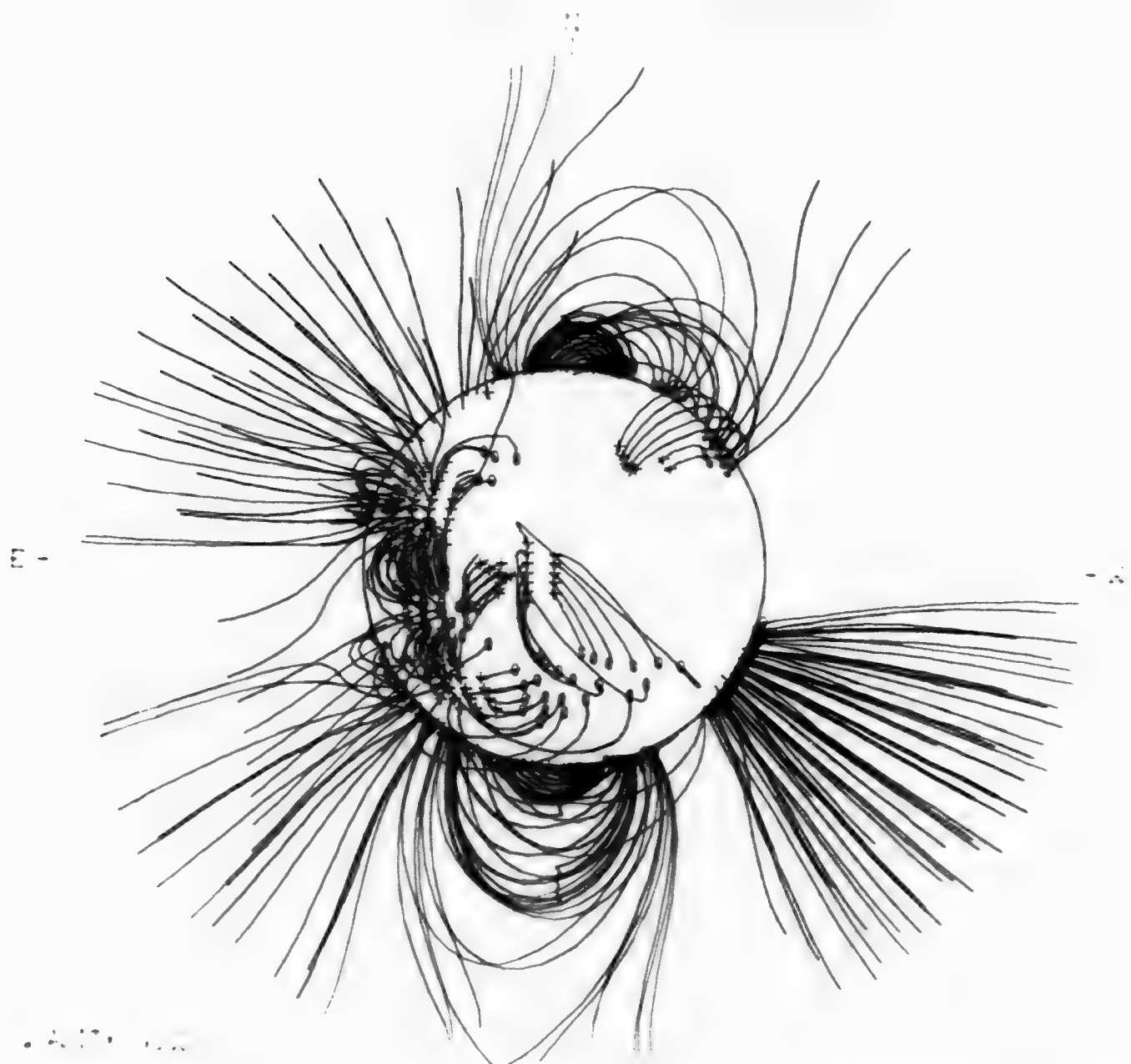
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PULSED LIFE
 1971-1972...

HALE OBSERVATORY
 1971-1972...

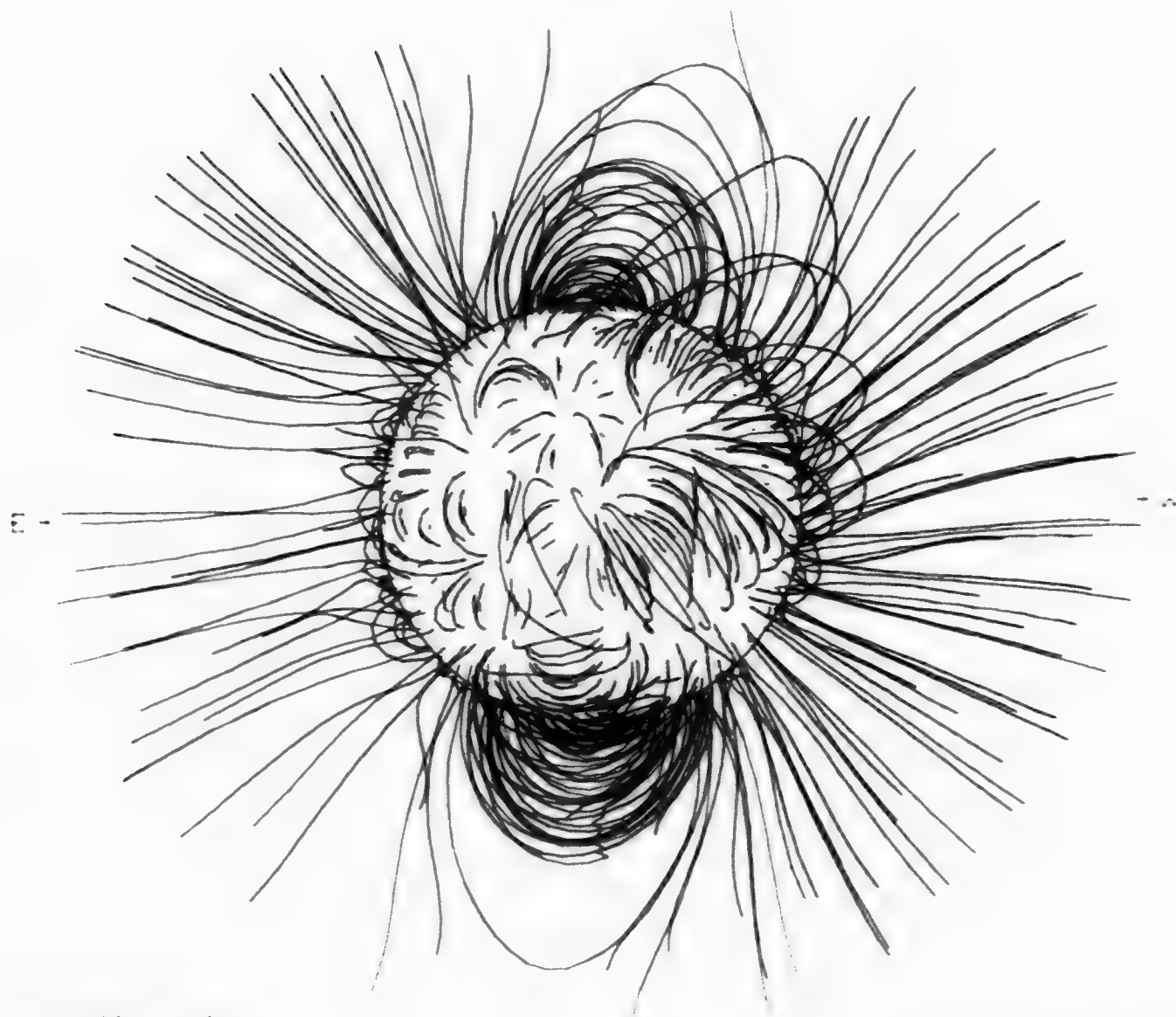
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
SOUTH POLE
HALE OBSERVATORY

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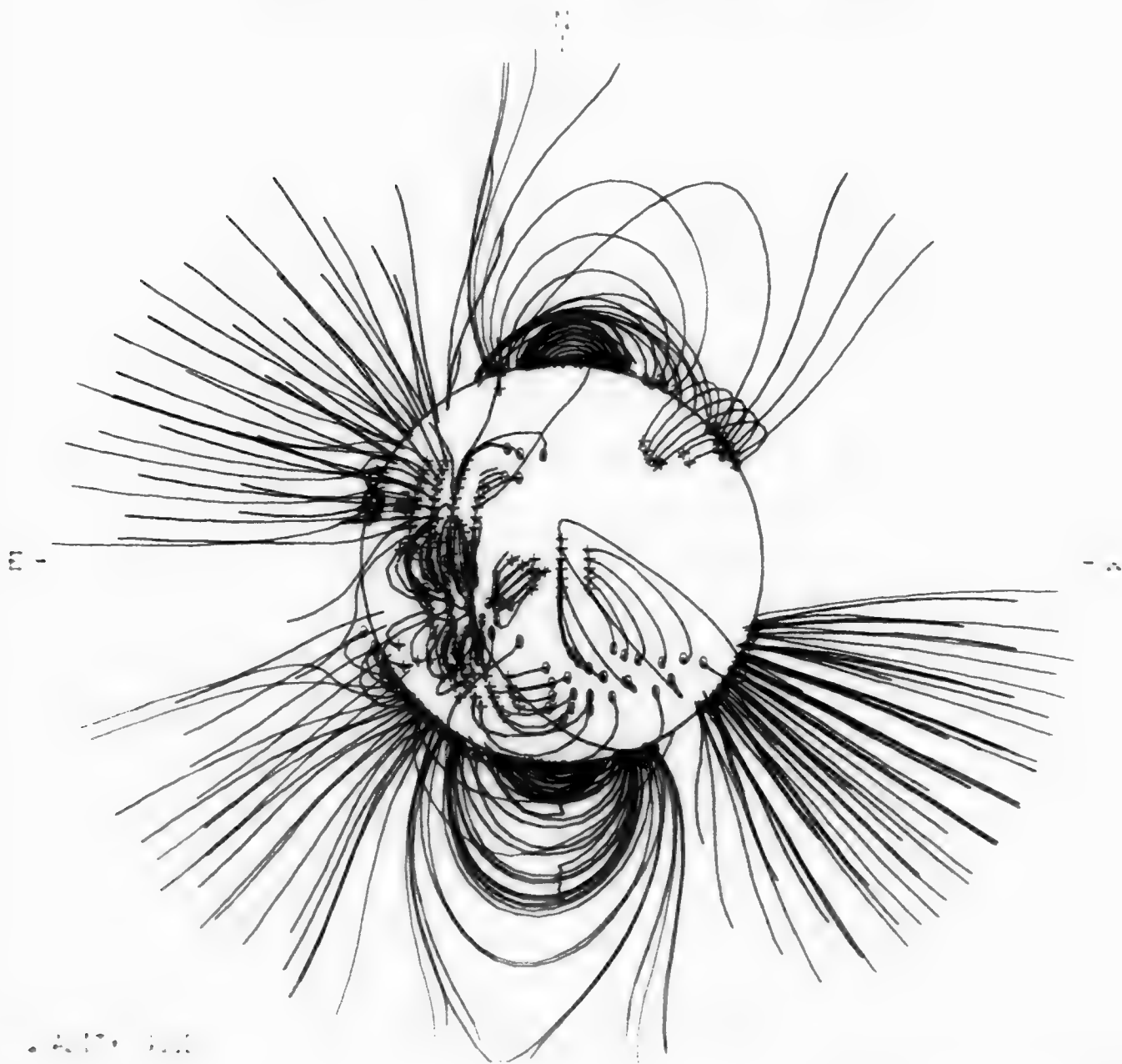
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO COUNTY
 COLORADO

HALE OBSERVATORY
 PUEBLO COUNTY
 COLORADO

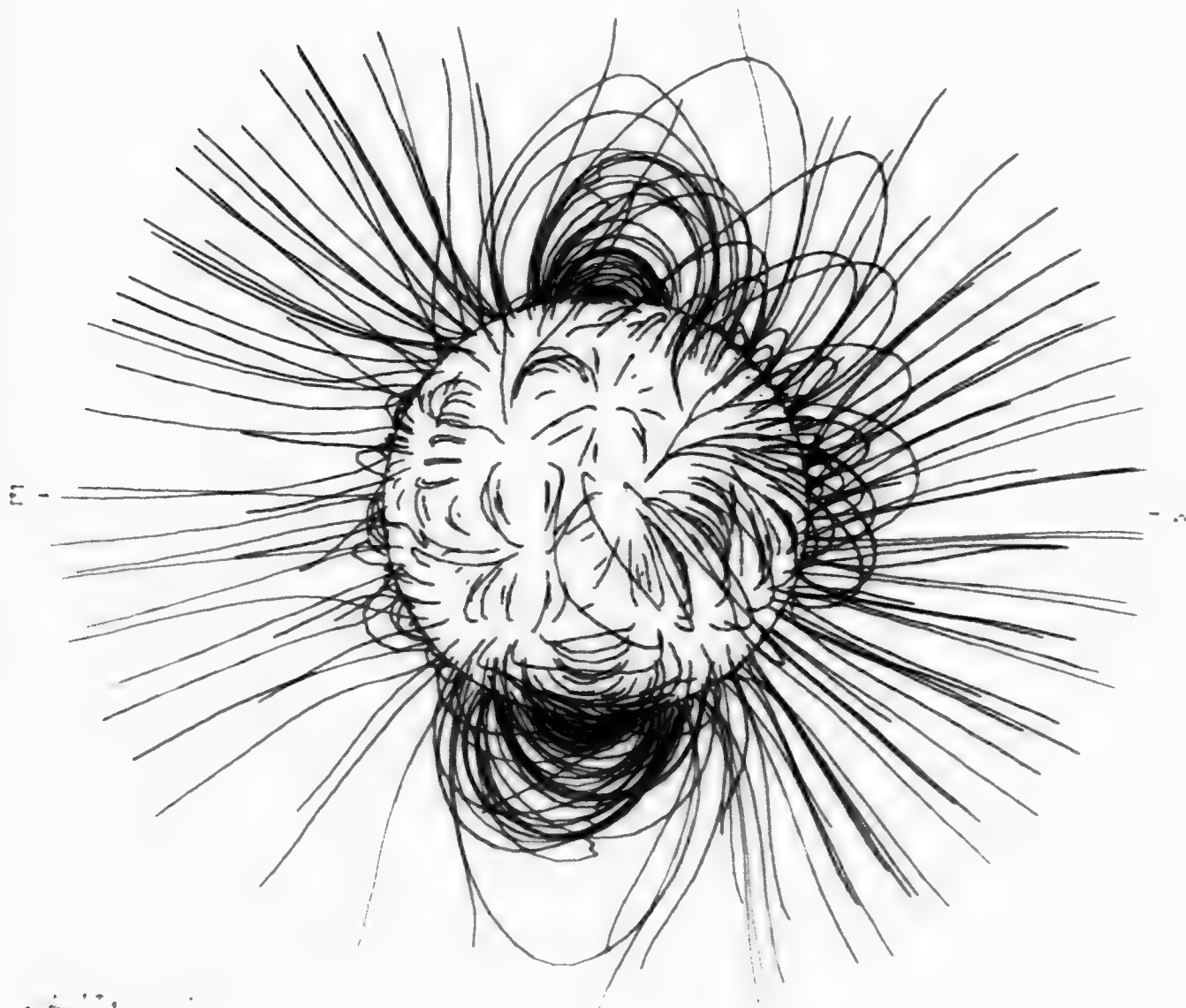
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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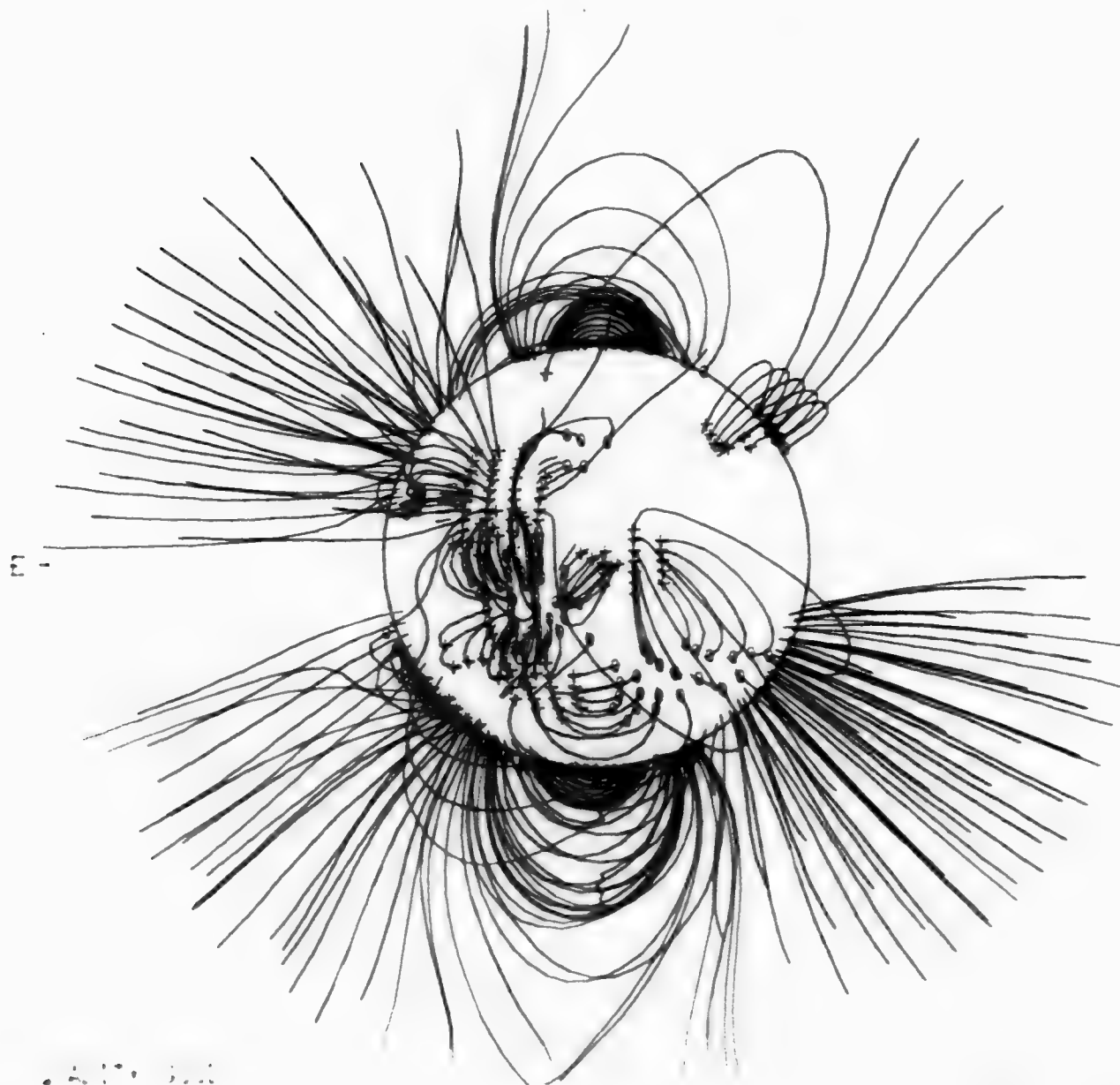
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PAGES 1-10
LATE 1900s

HALE OBSERVATORY
PAGES 1-10
LATE 1900s

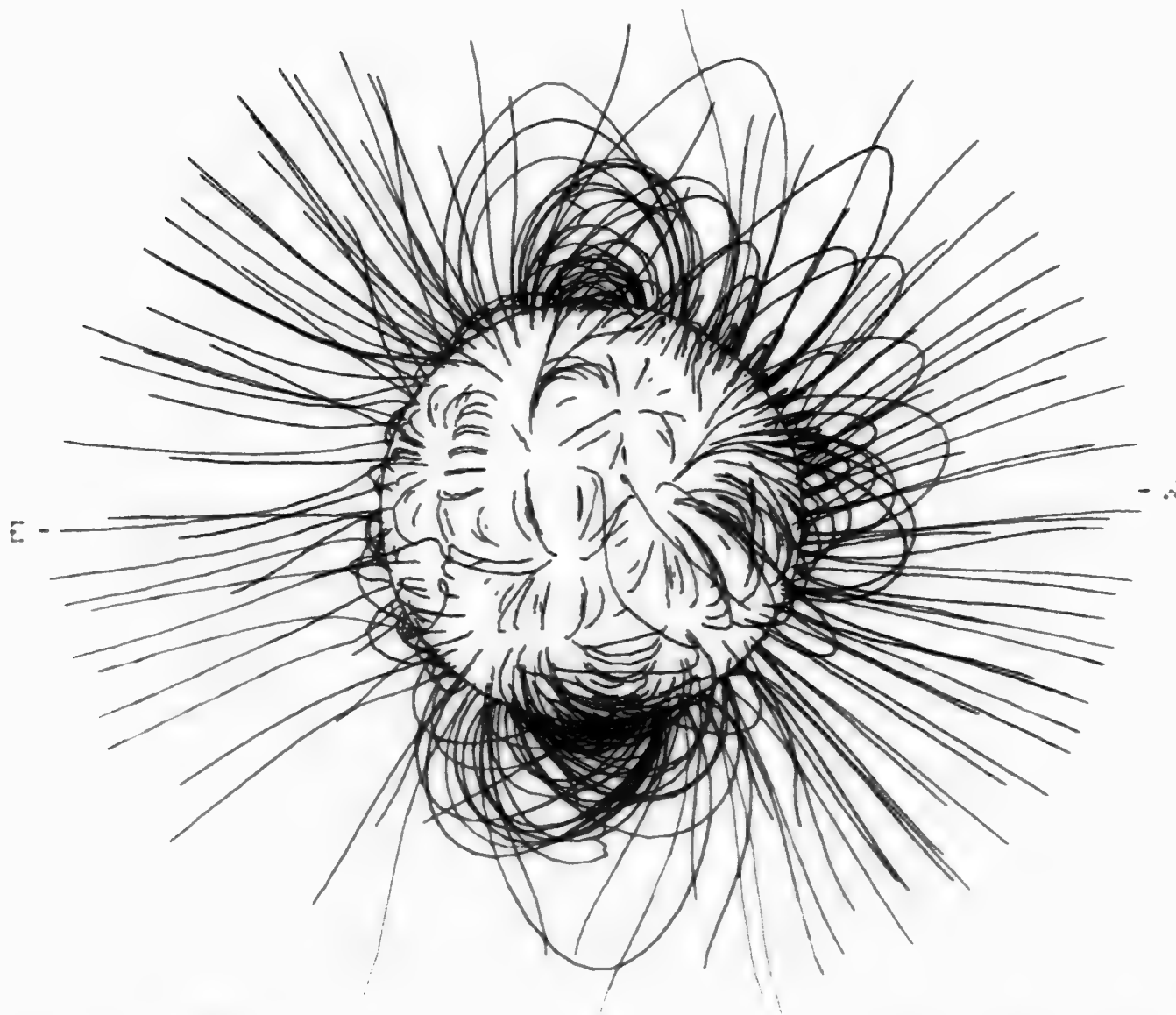
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORIES
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 DATA AND... 1970...

HALE OBSERVATORIES
 HALES LINE
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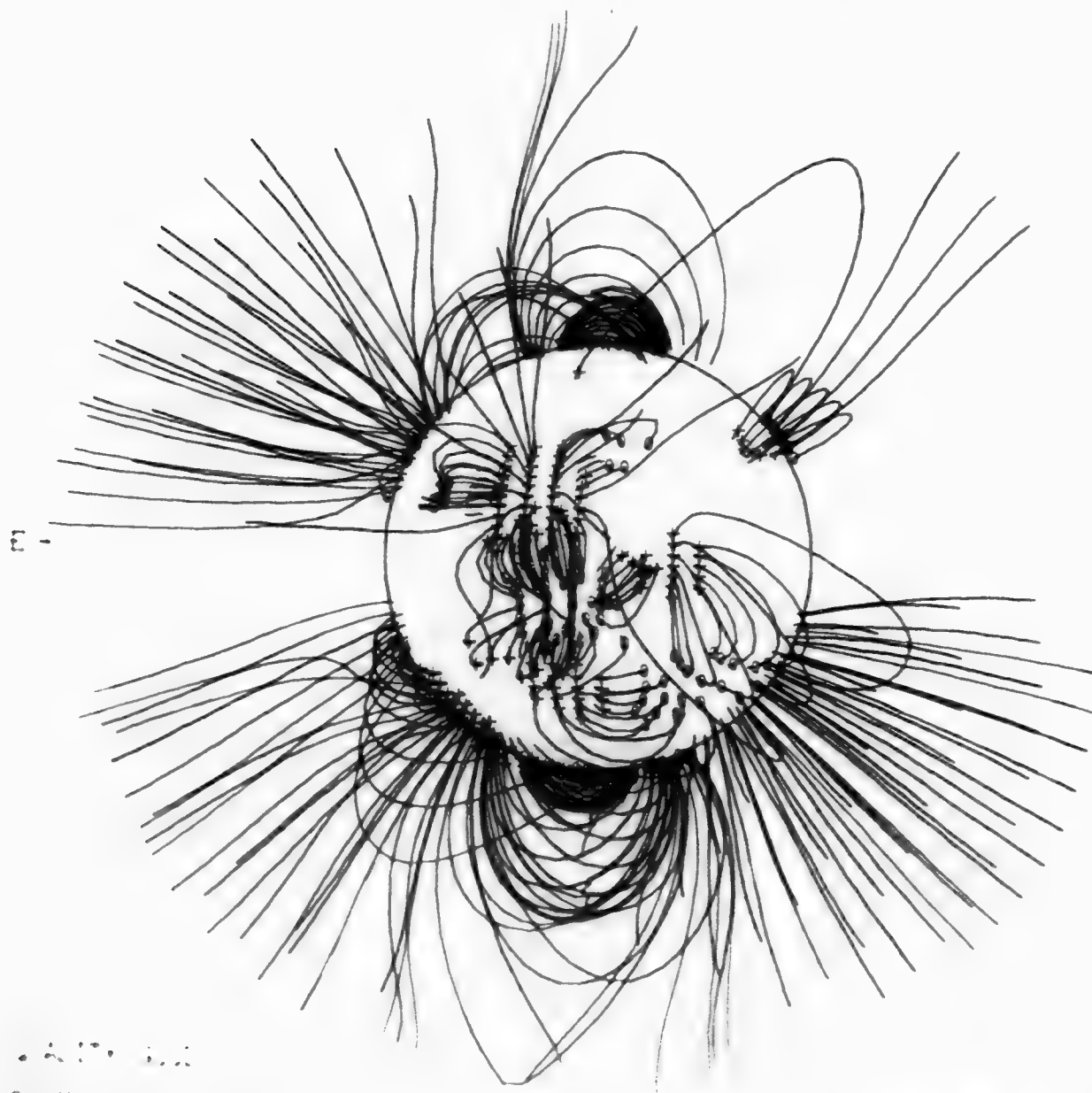
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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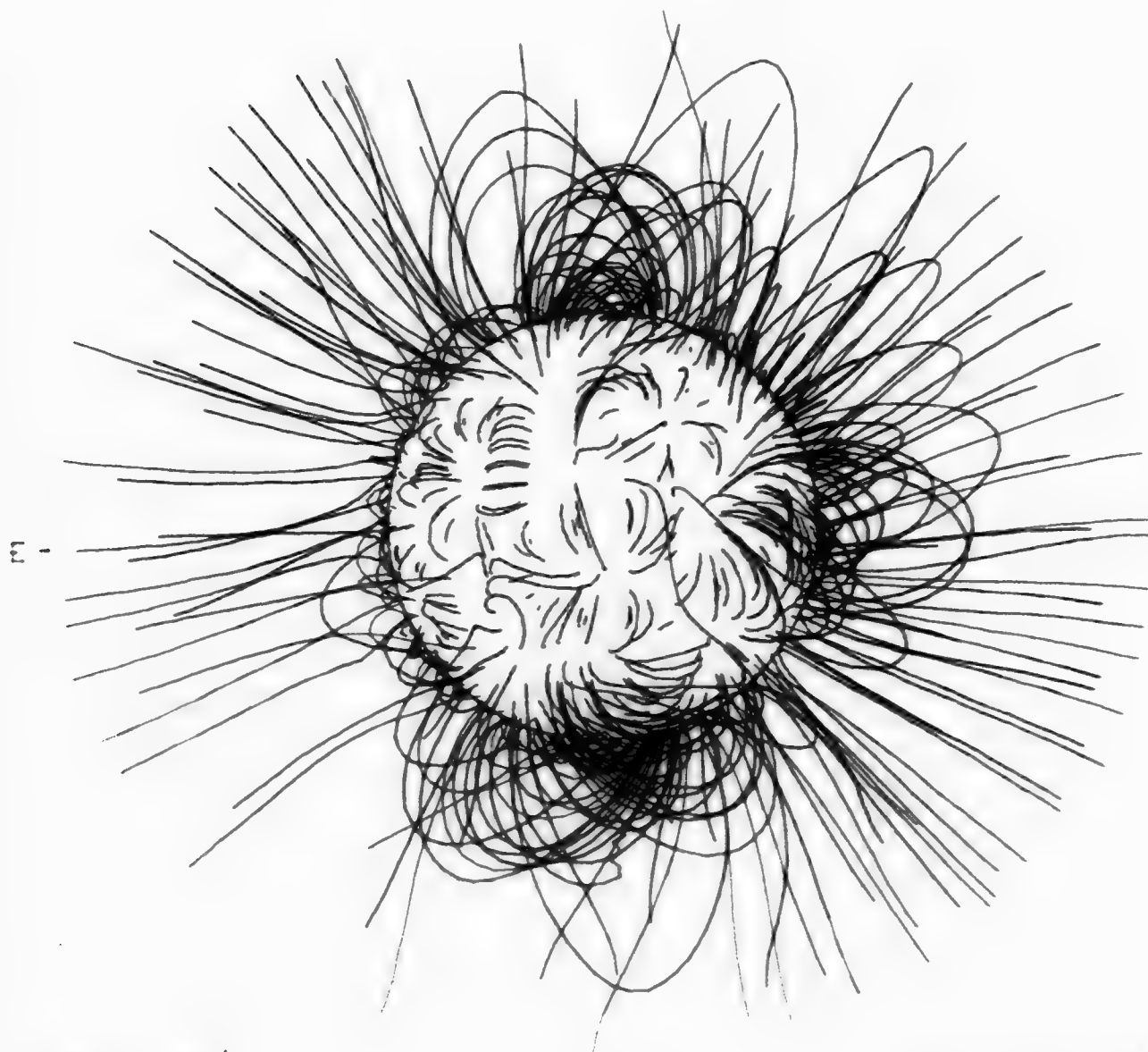
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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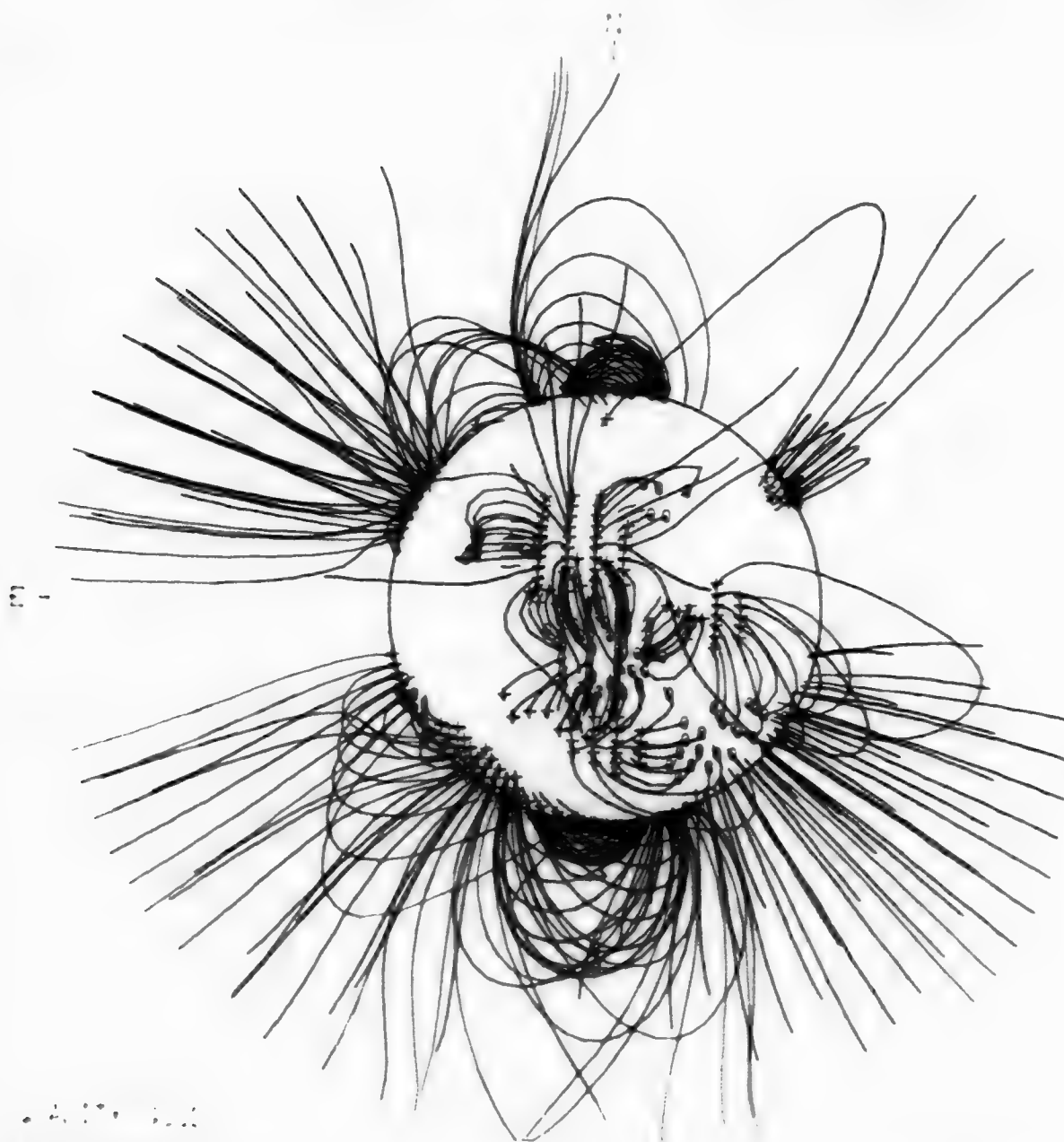
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

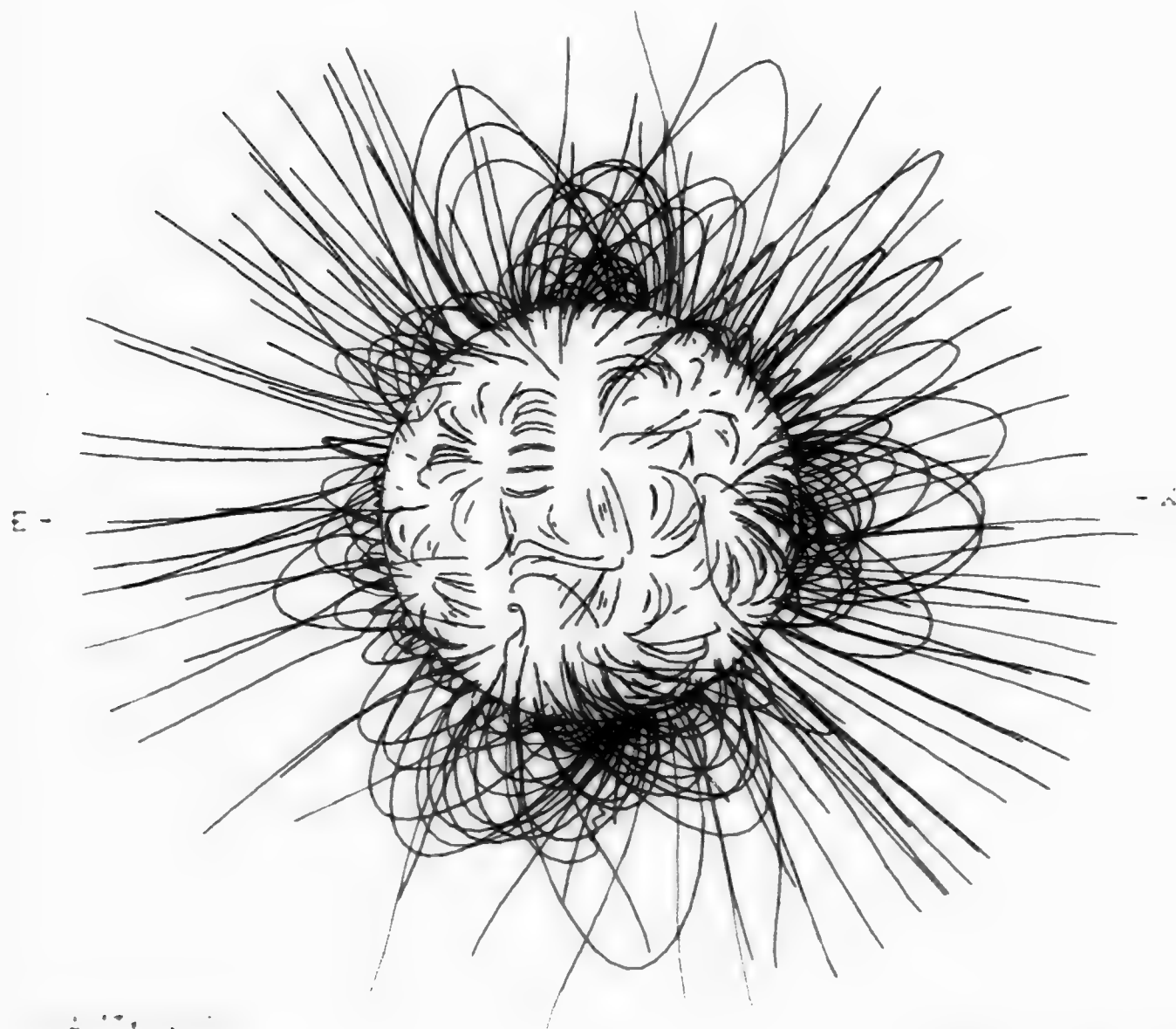
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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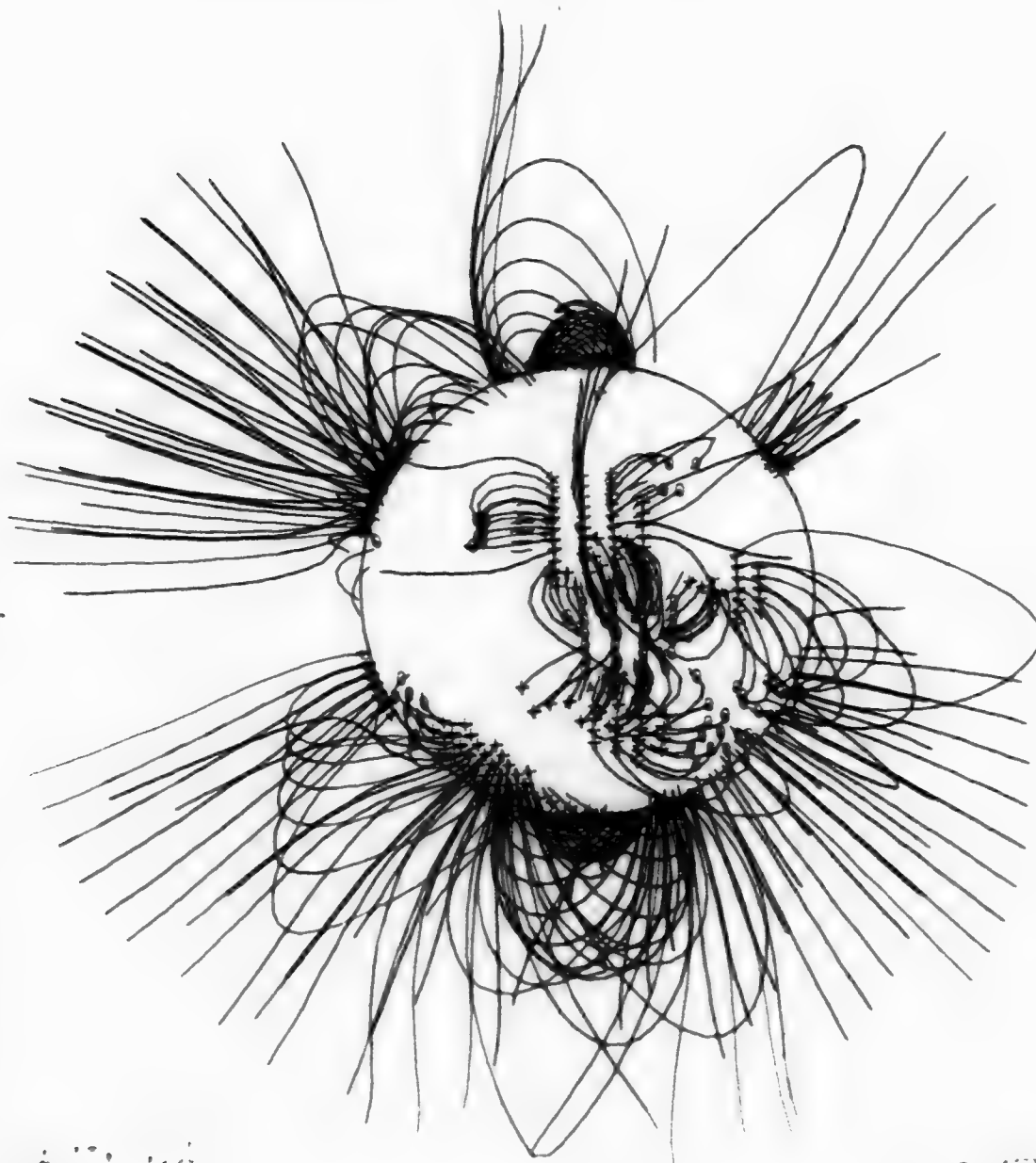
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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J. A. P. 1964
 DATA AND IN 1964...

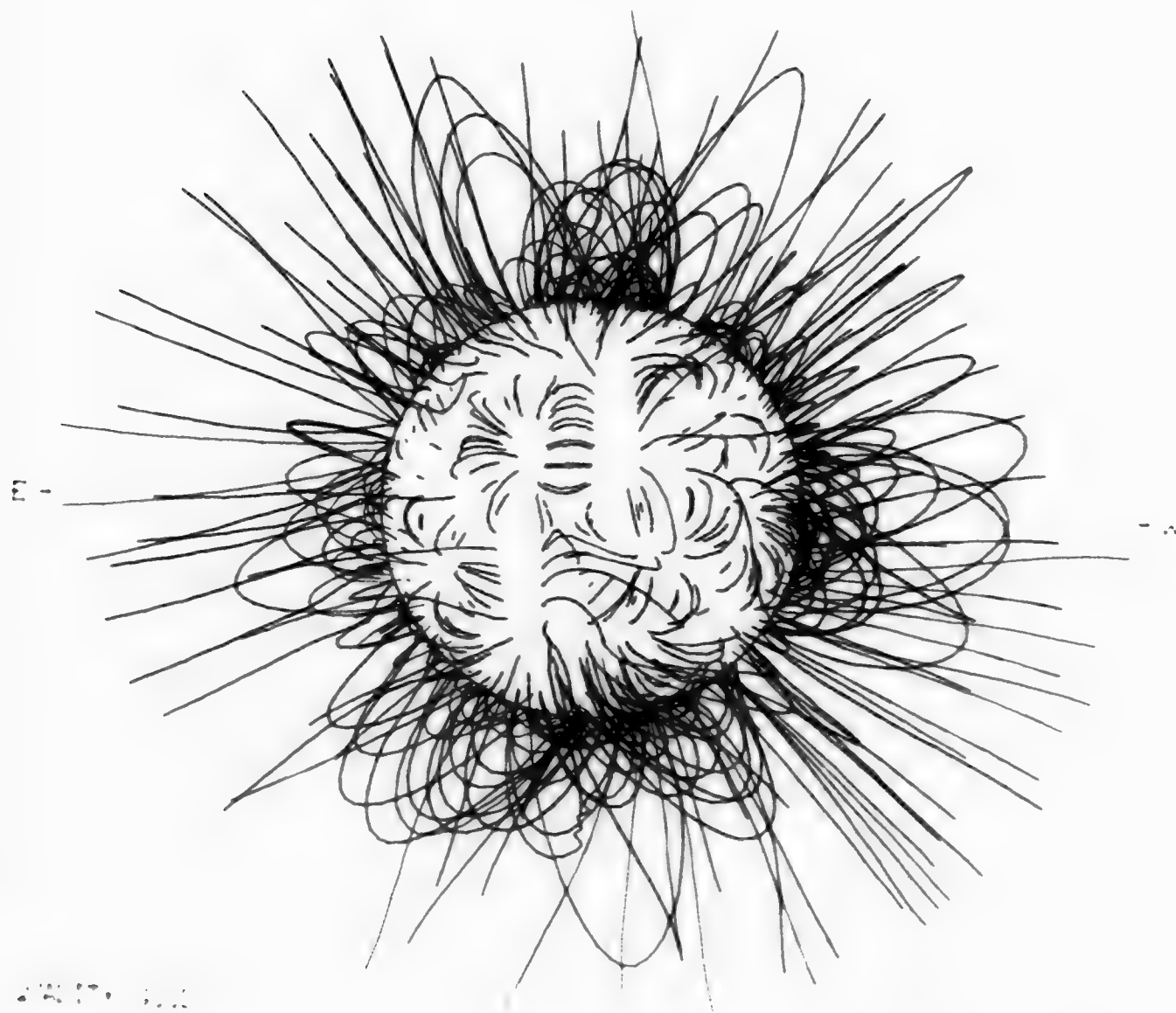
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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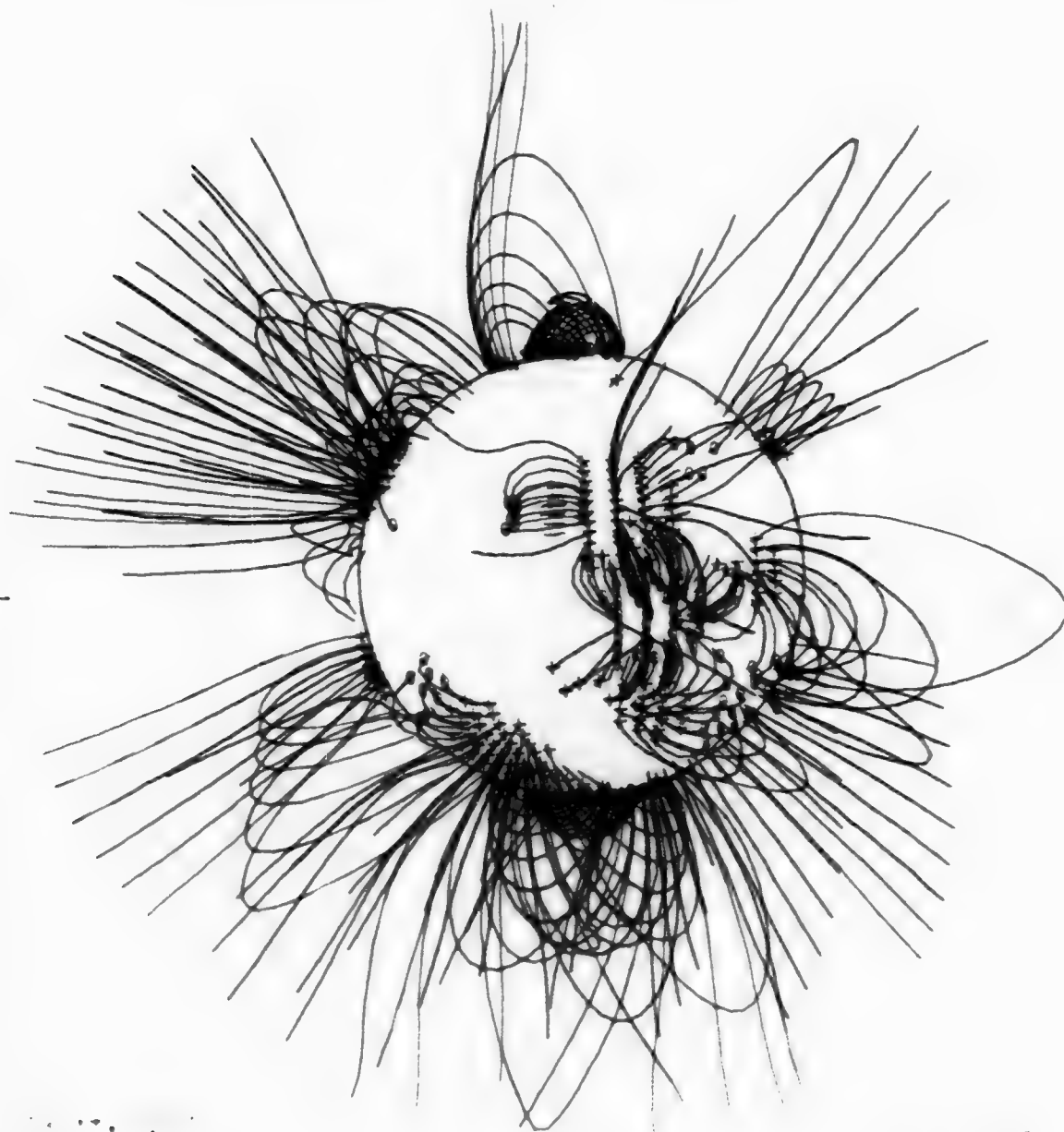
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY
 PAGES 1-10
 DATA AND INFORMATION...

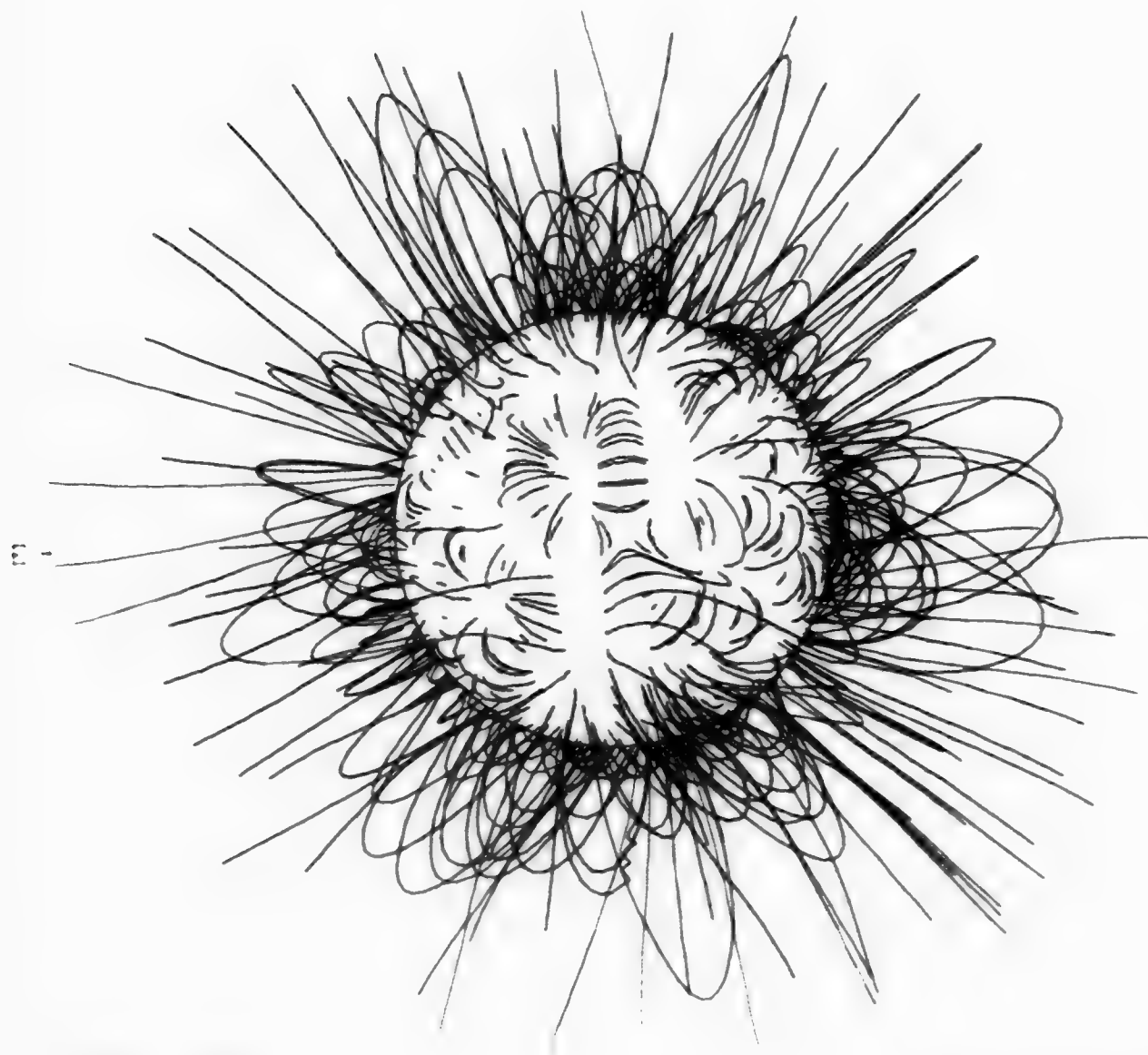
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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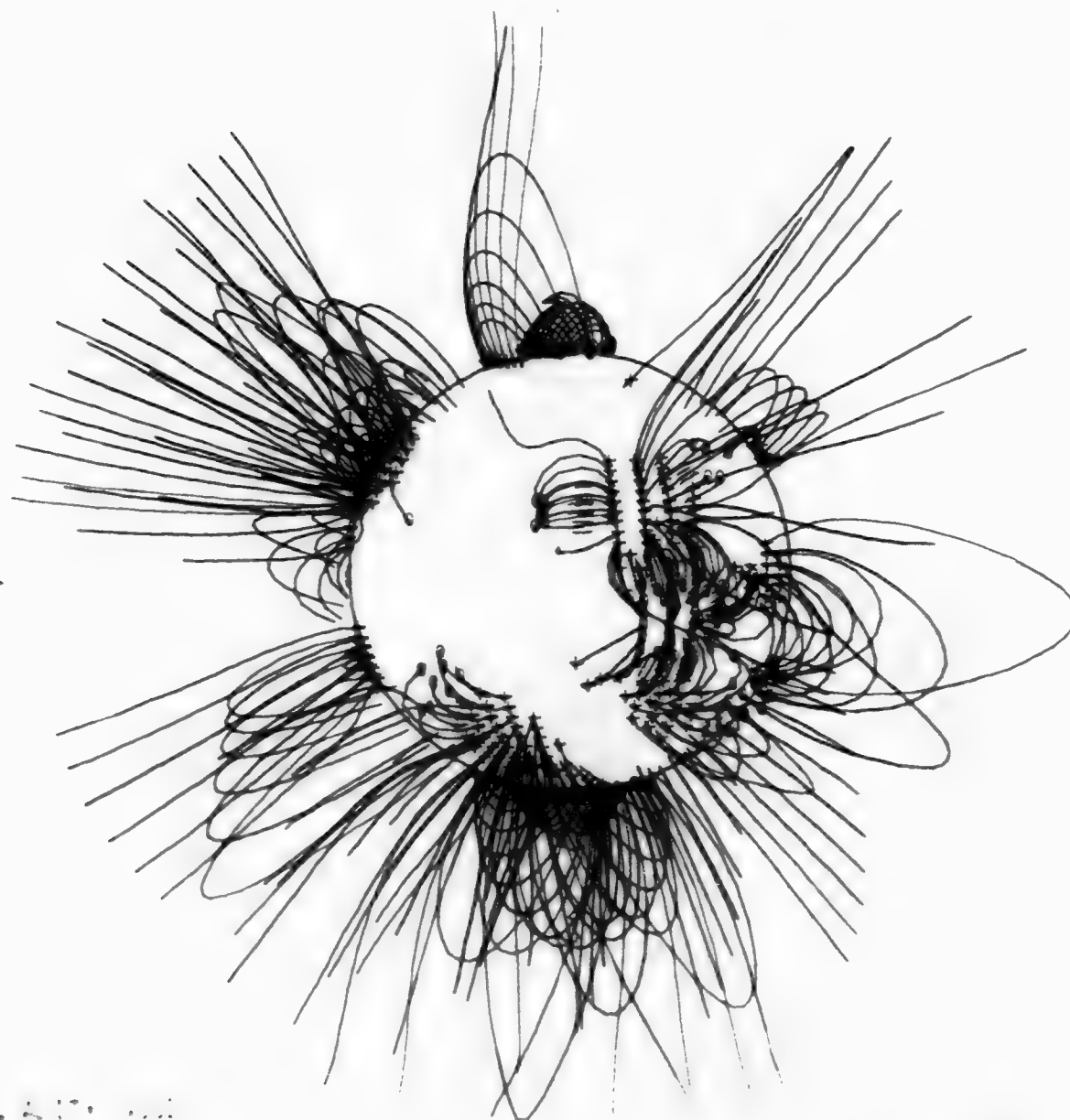
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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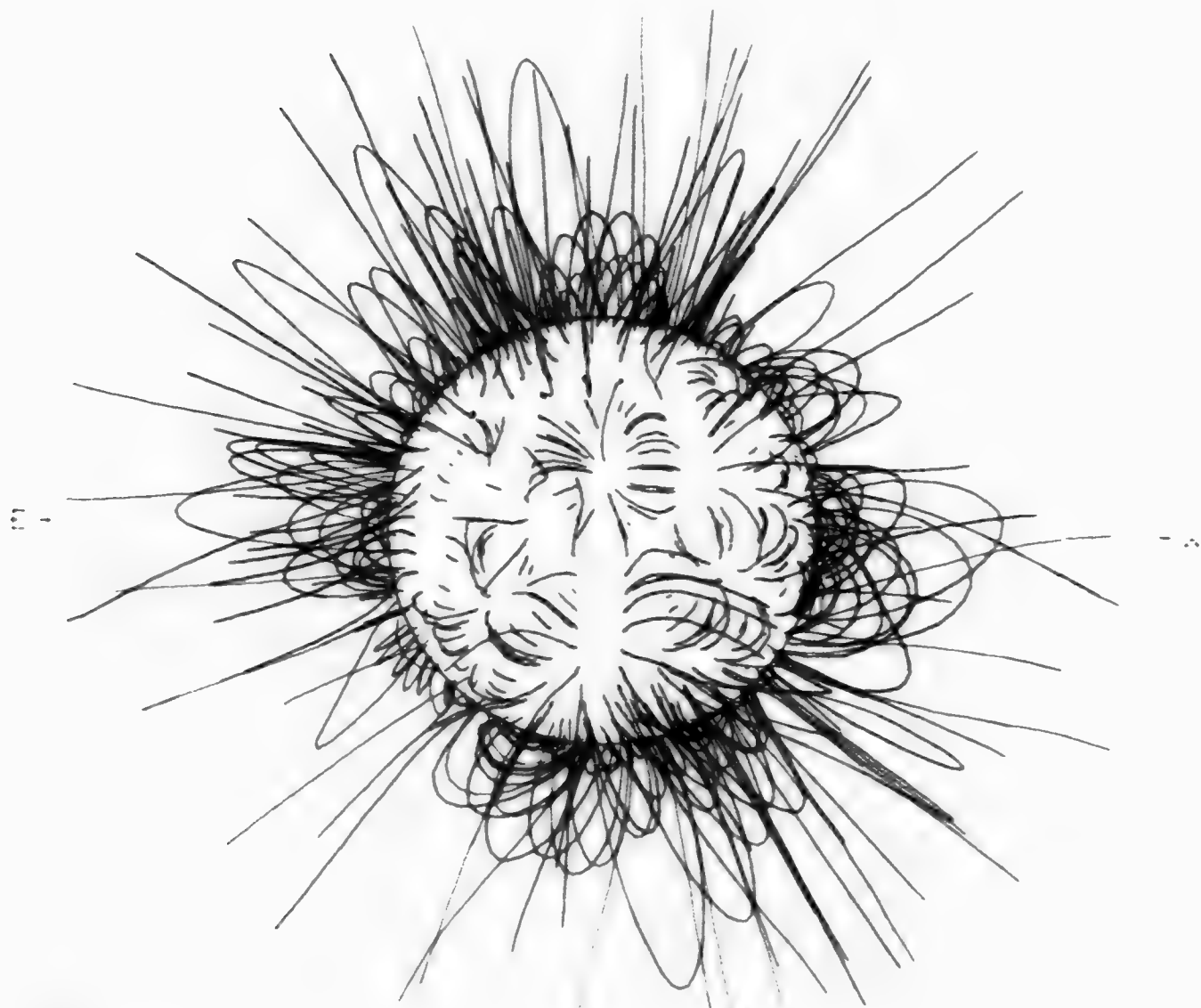
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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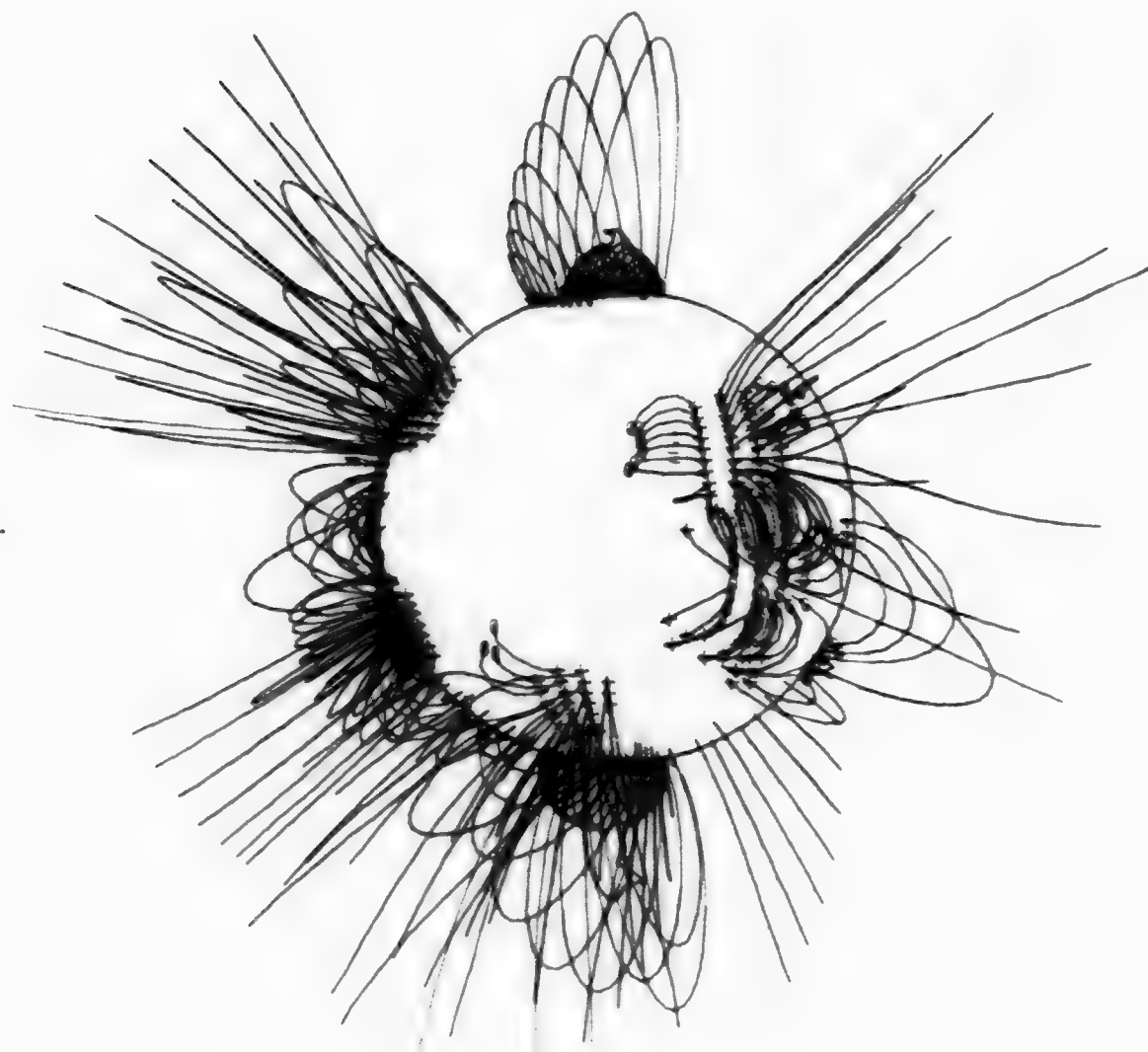
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

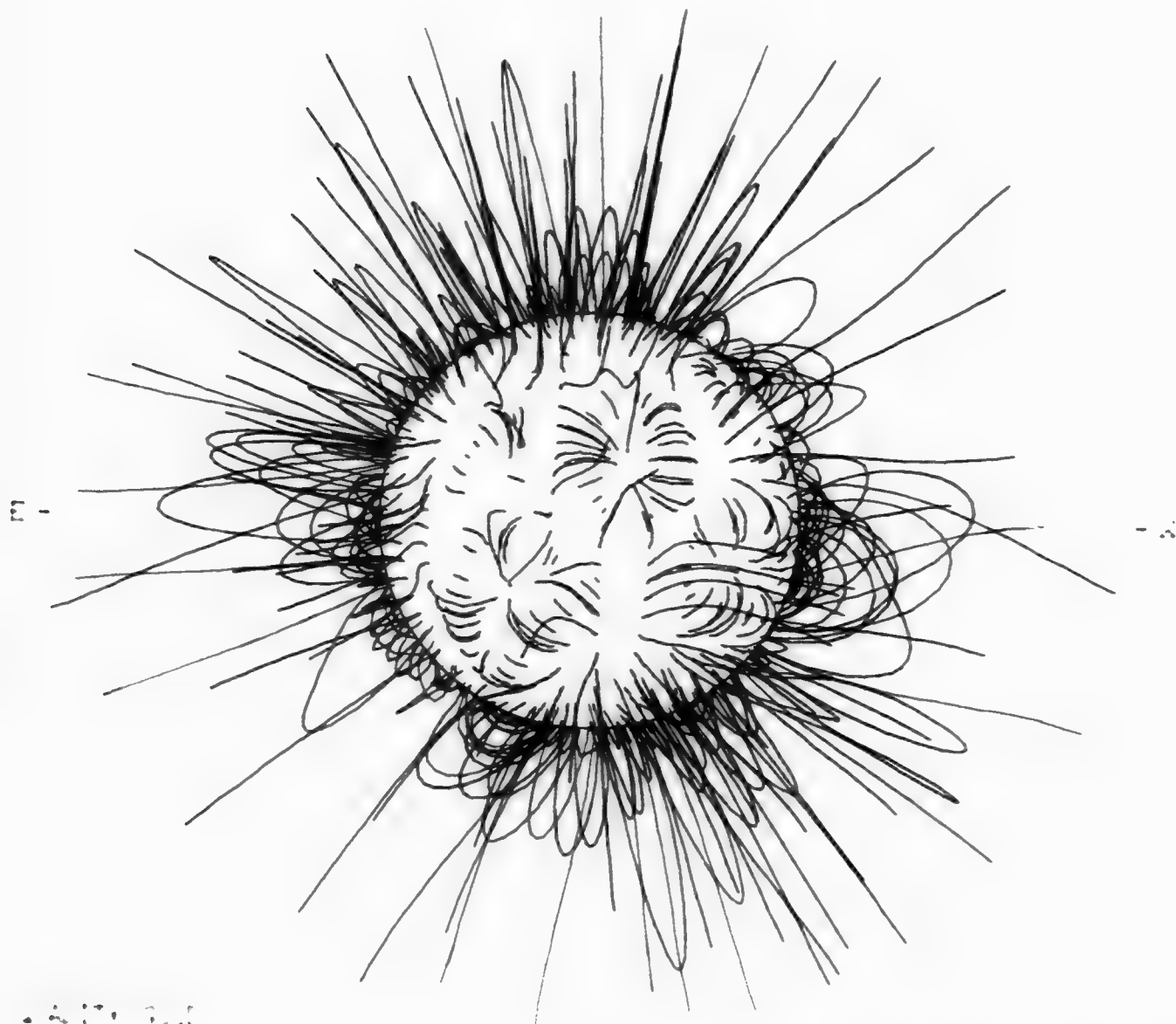
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 FULLY OPERATIONAL
 1918-1919

HALE OBSERVATORY
 FULLY OPERATIONAL
 1918-1919

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

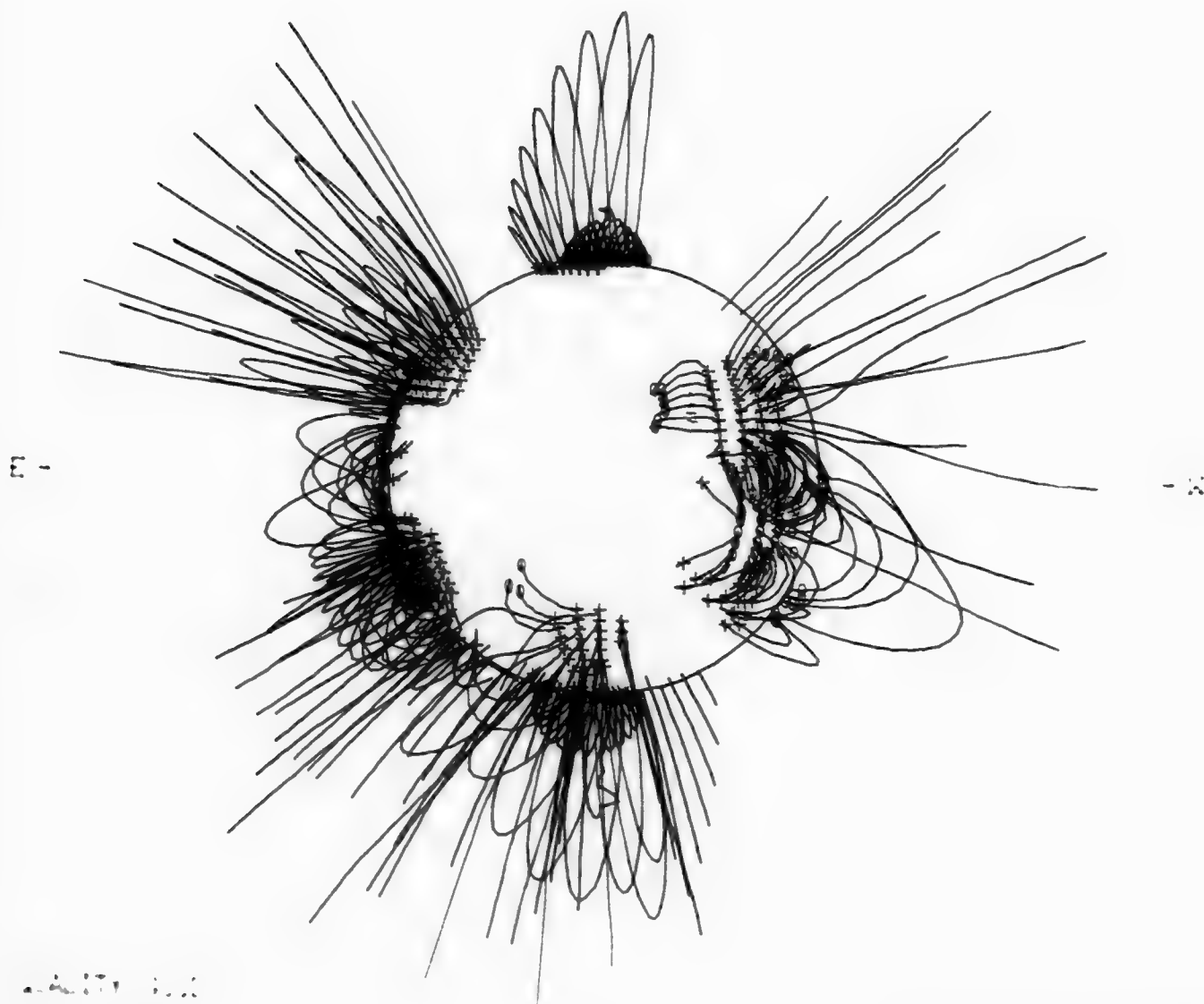


HALE OBSERVATORY
 HALE OBSERVATORY
 DATA CENTER

HALE OBSERVATORY
 HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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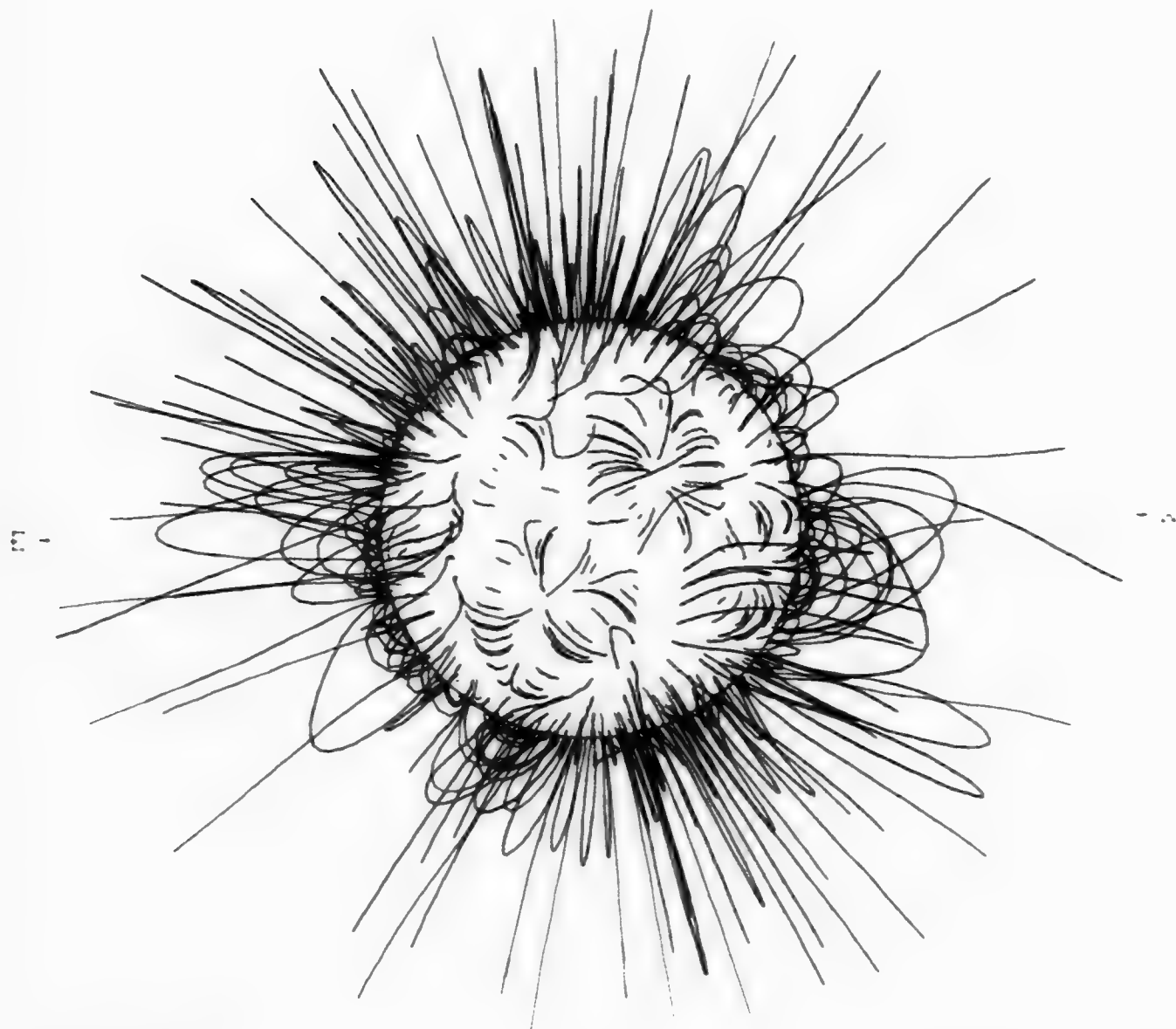
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

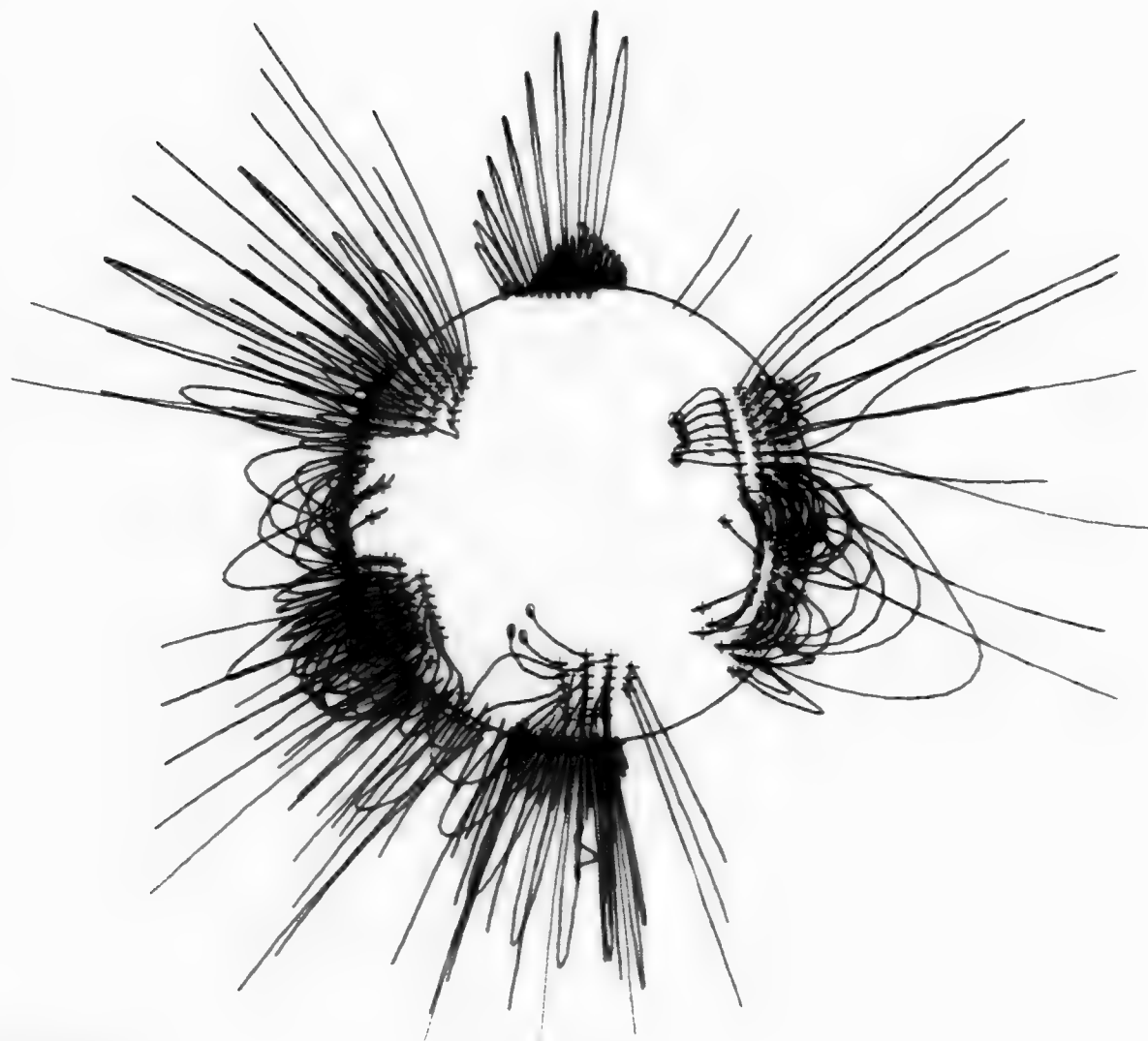


HALE OBSERVATORY
HAWAII
1954

HALE OBSERVATORY
HAWAII
1954

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



HALE OBSERVATORY

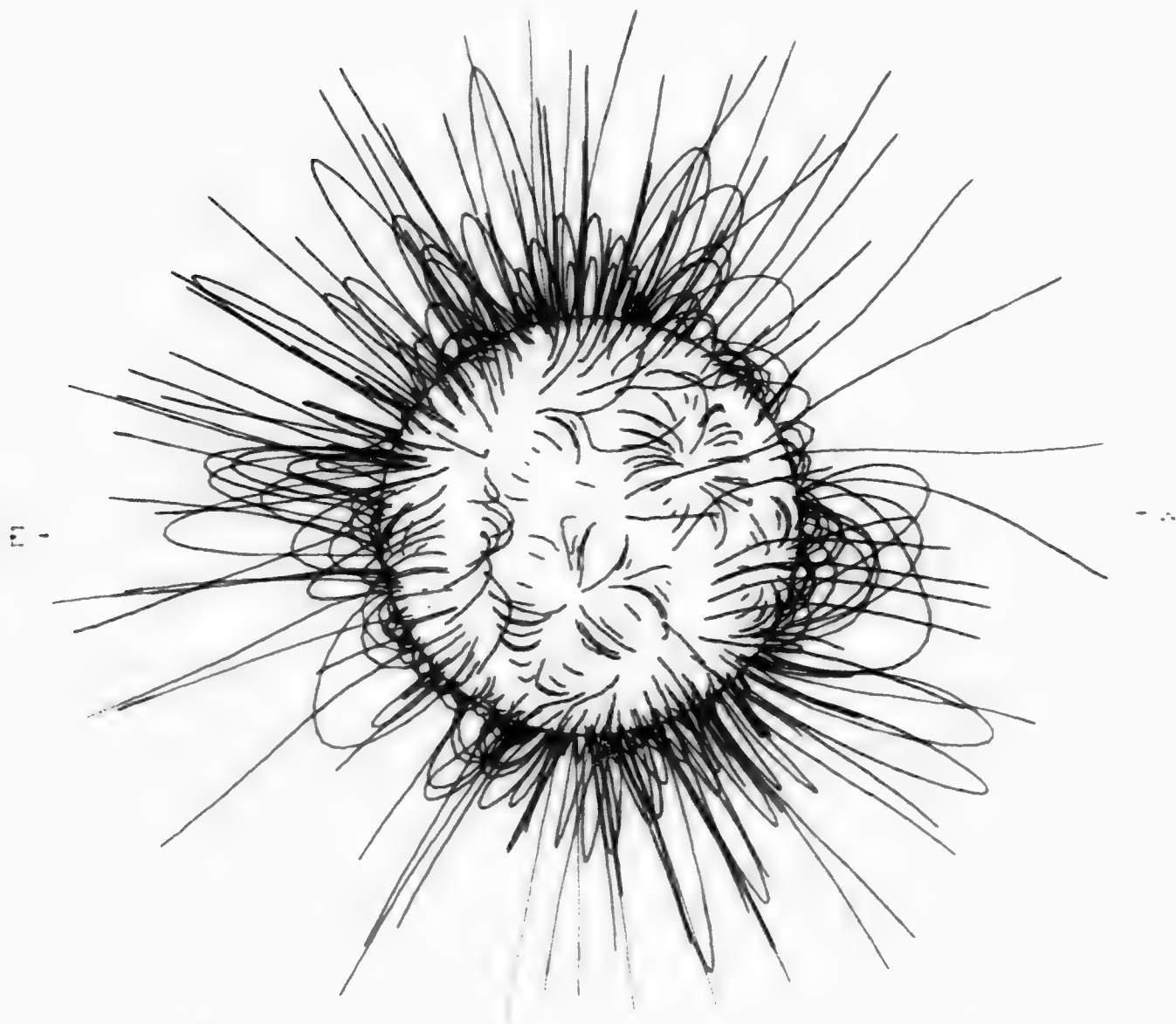
HALE OBSERVATORY

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HALE OBSERVATORY

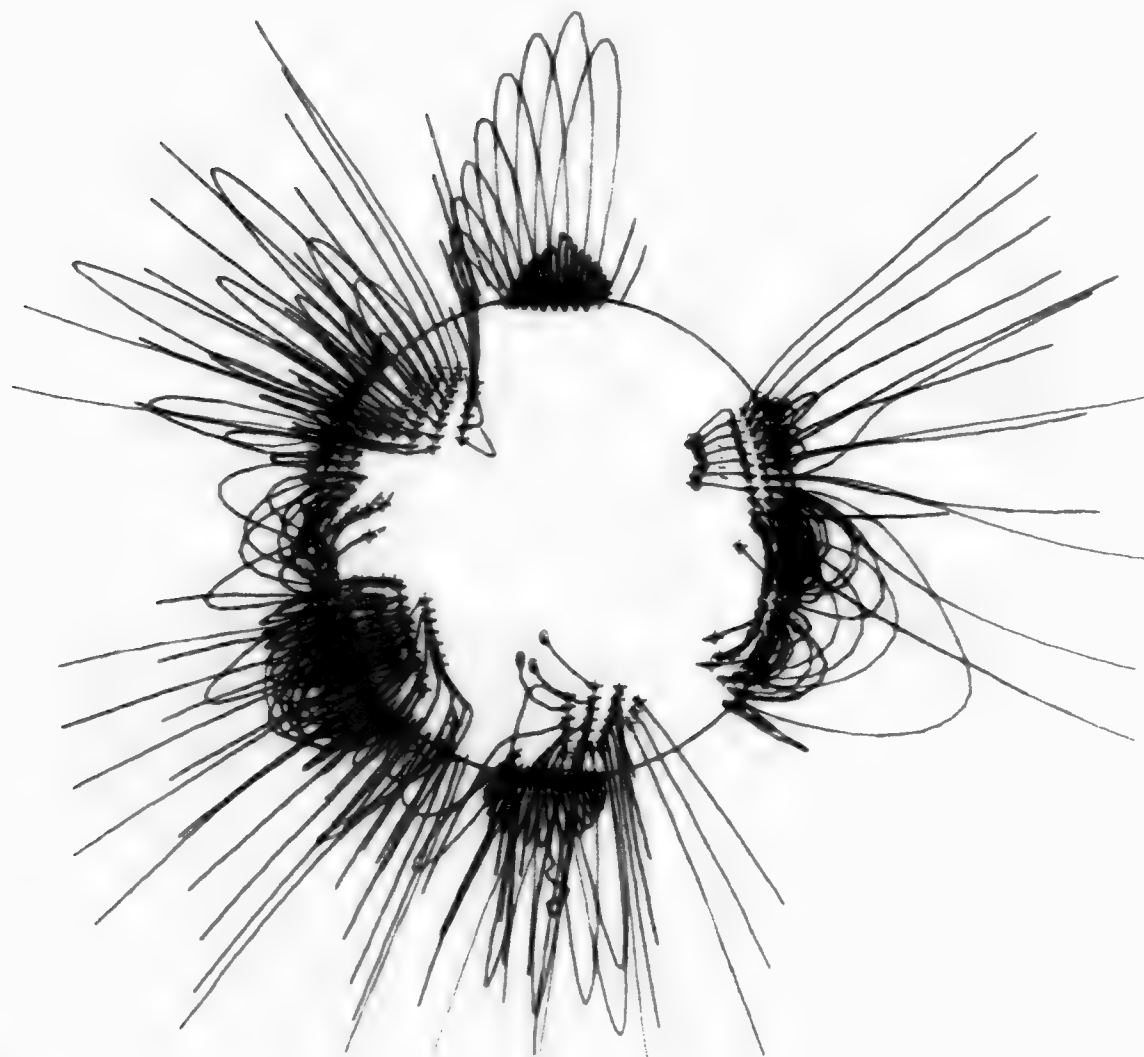
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



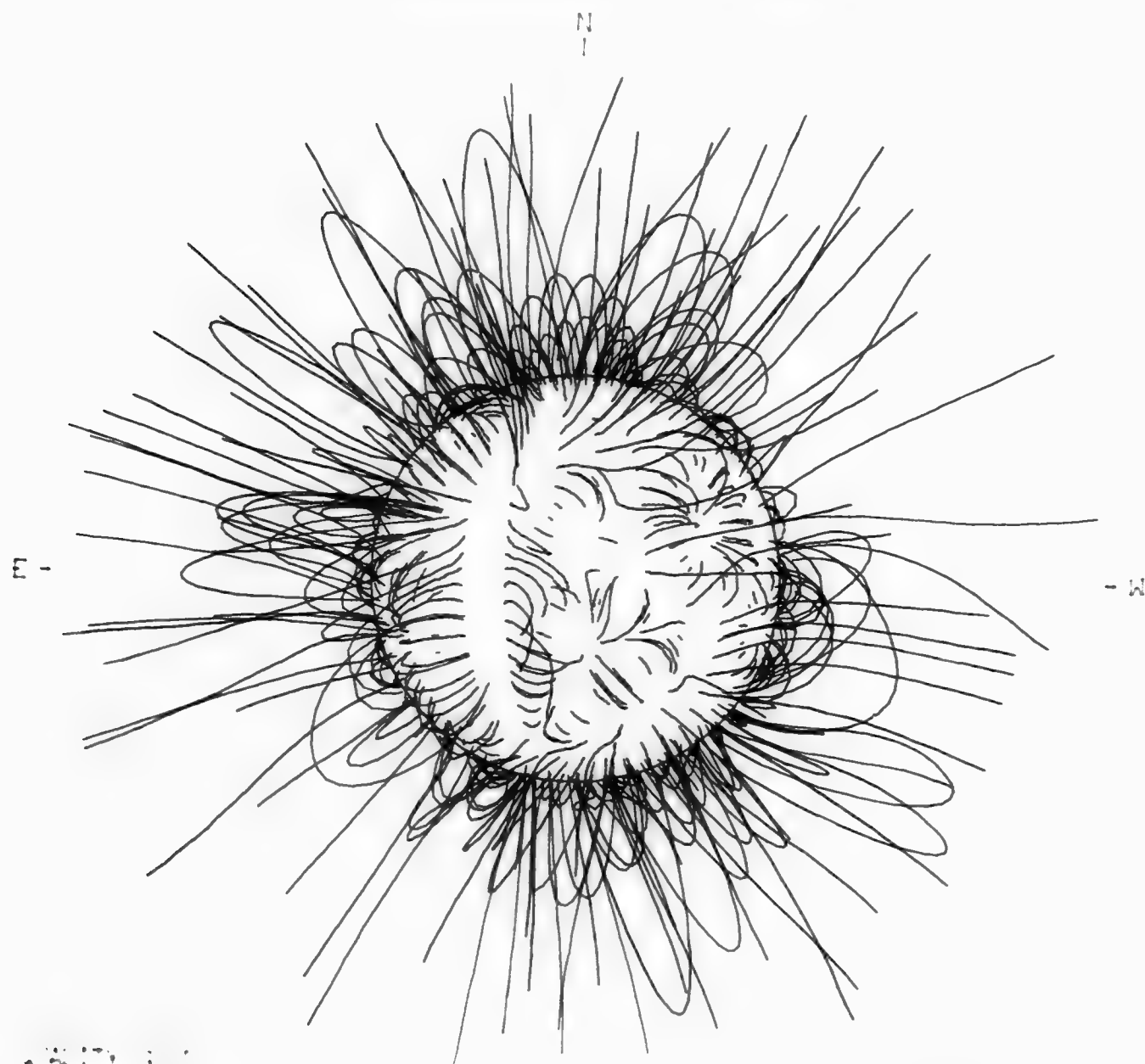
HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



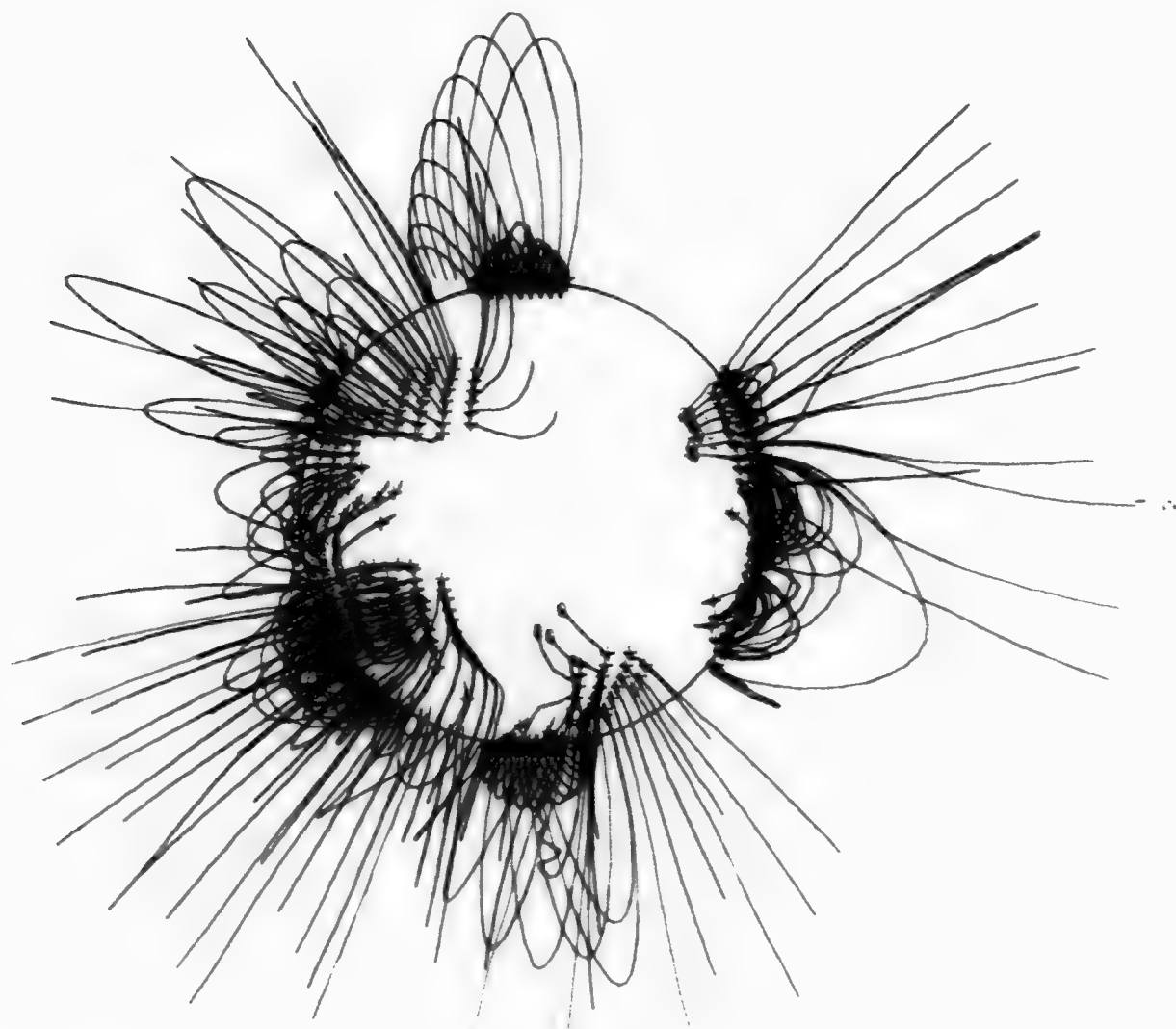
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE 1954
 PAGES 1-10
 DATA AND/OR 1954.07

1954.07.10. 10.00
 1954.07.10. 10.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

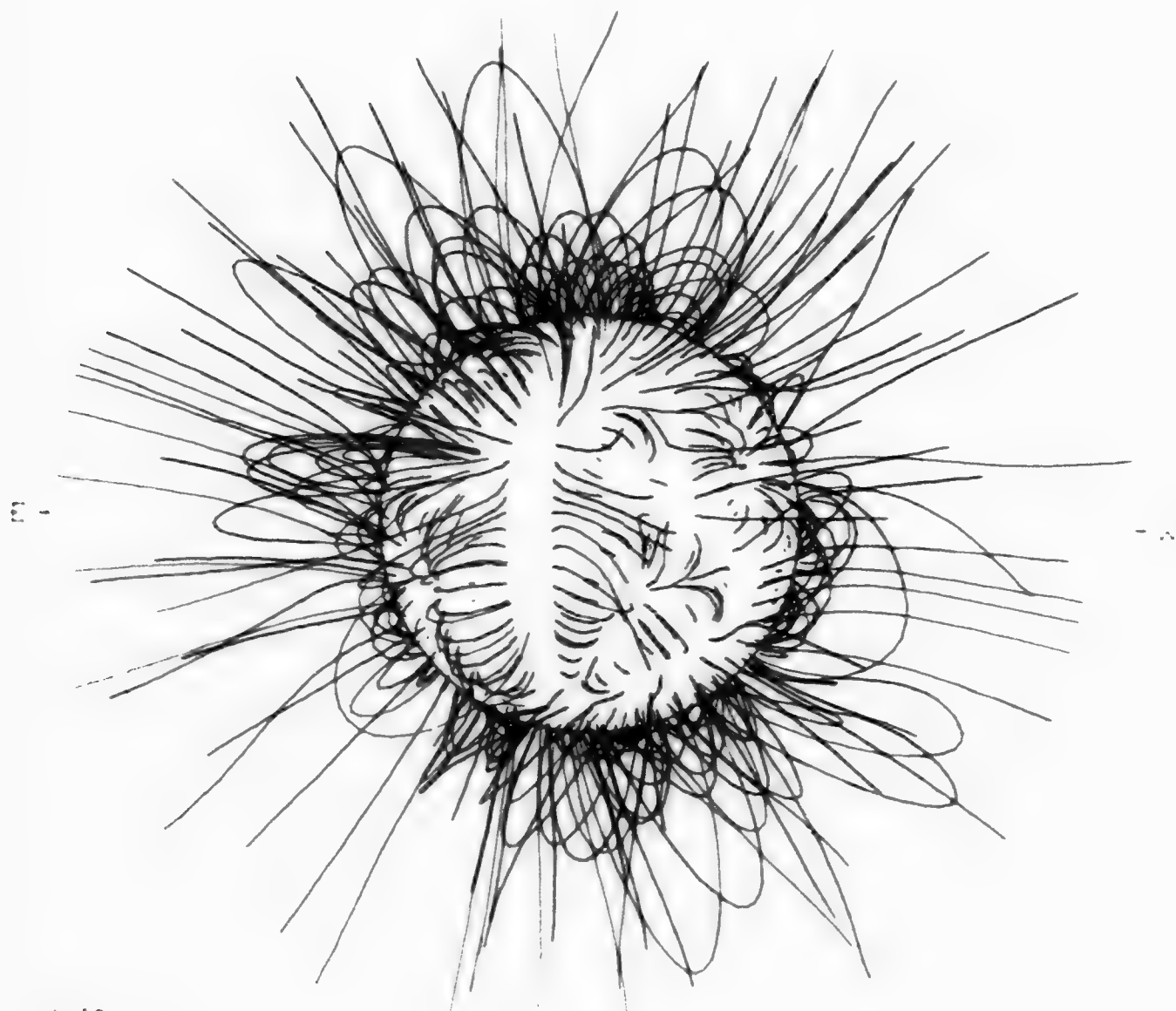


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HALE OBSERVATORY
 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

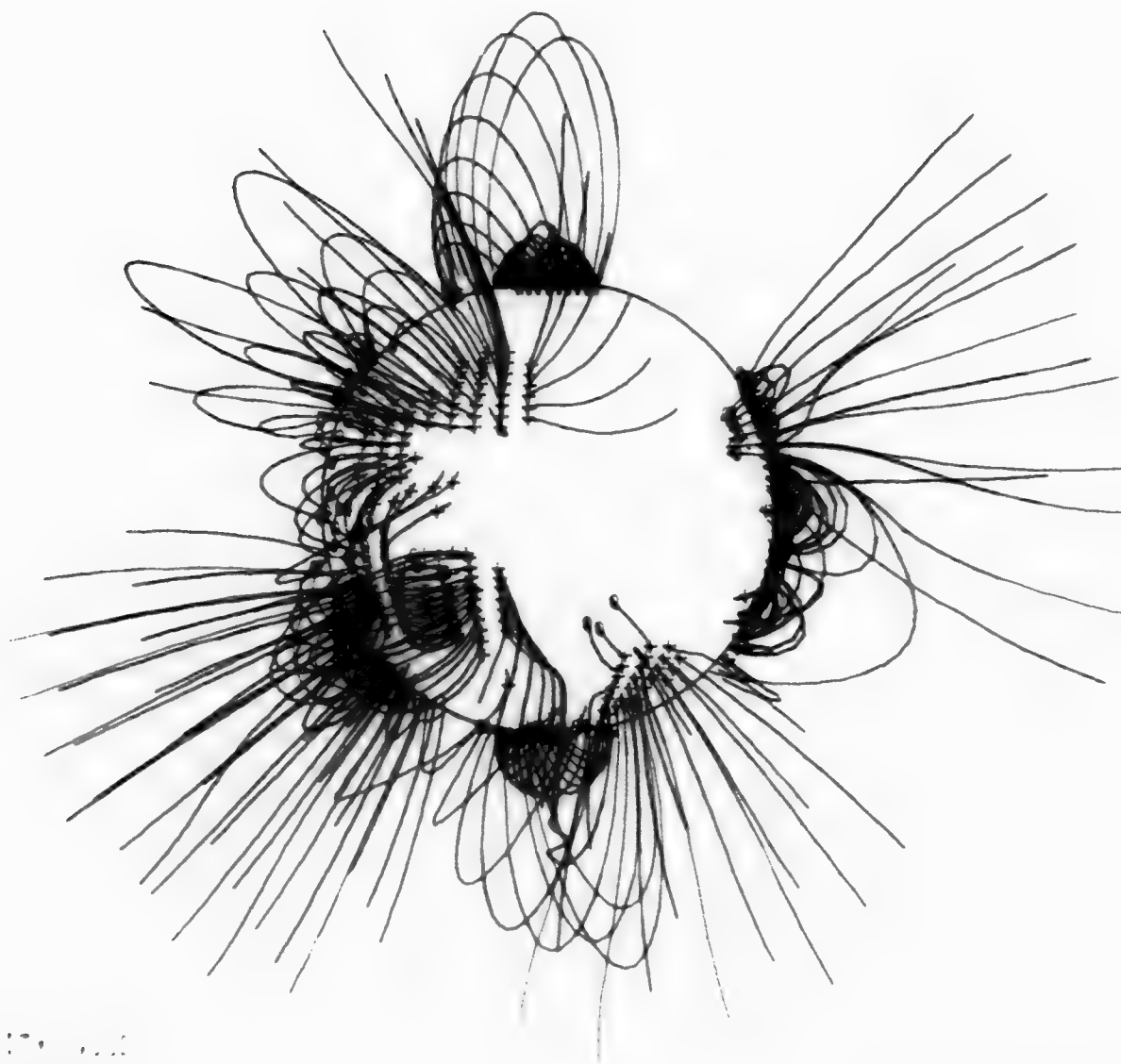
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



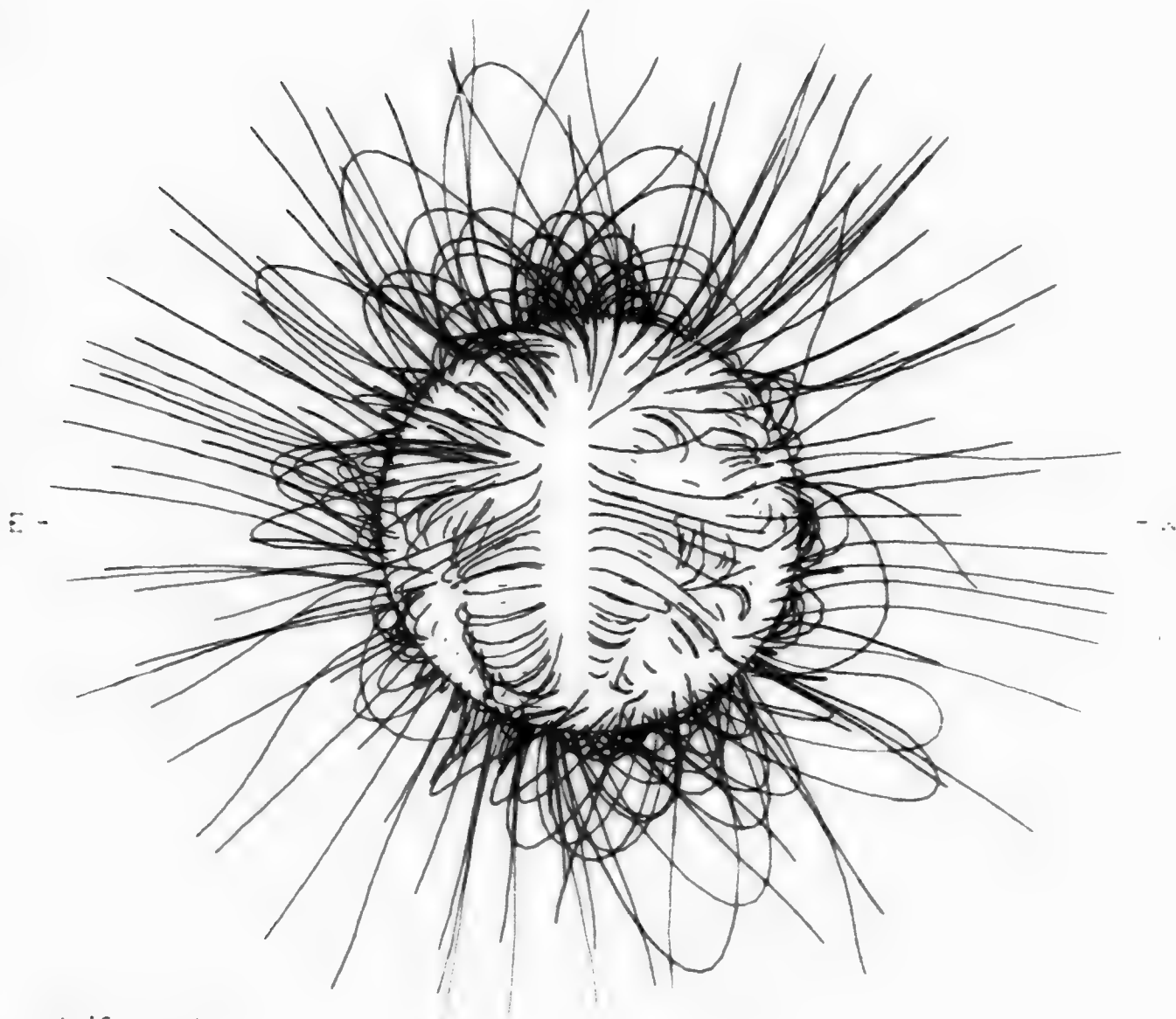
HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



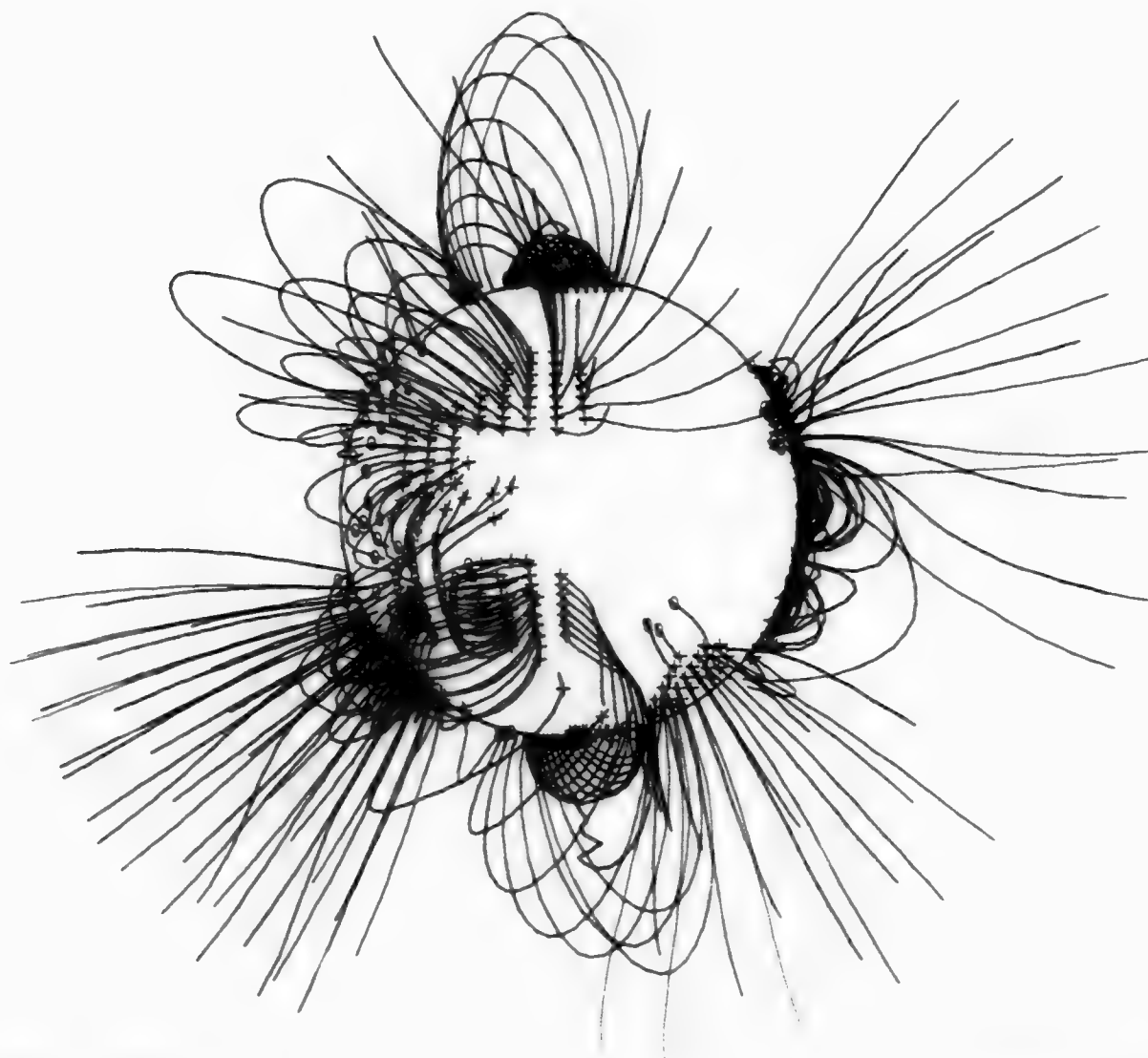
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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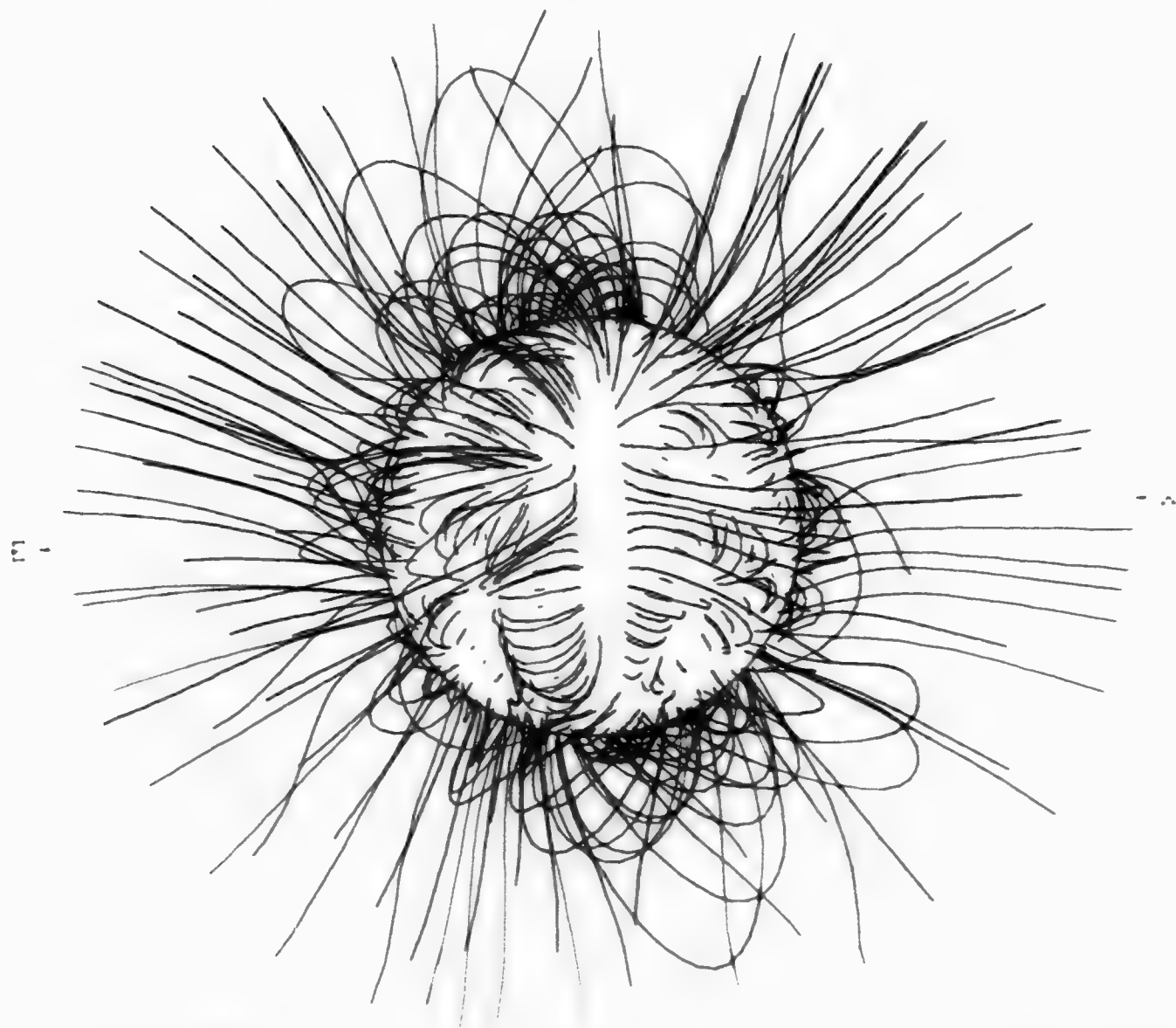
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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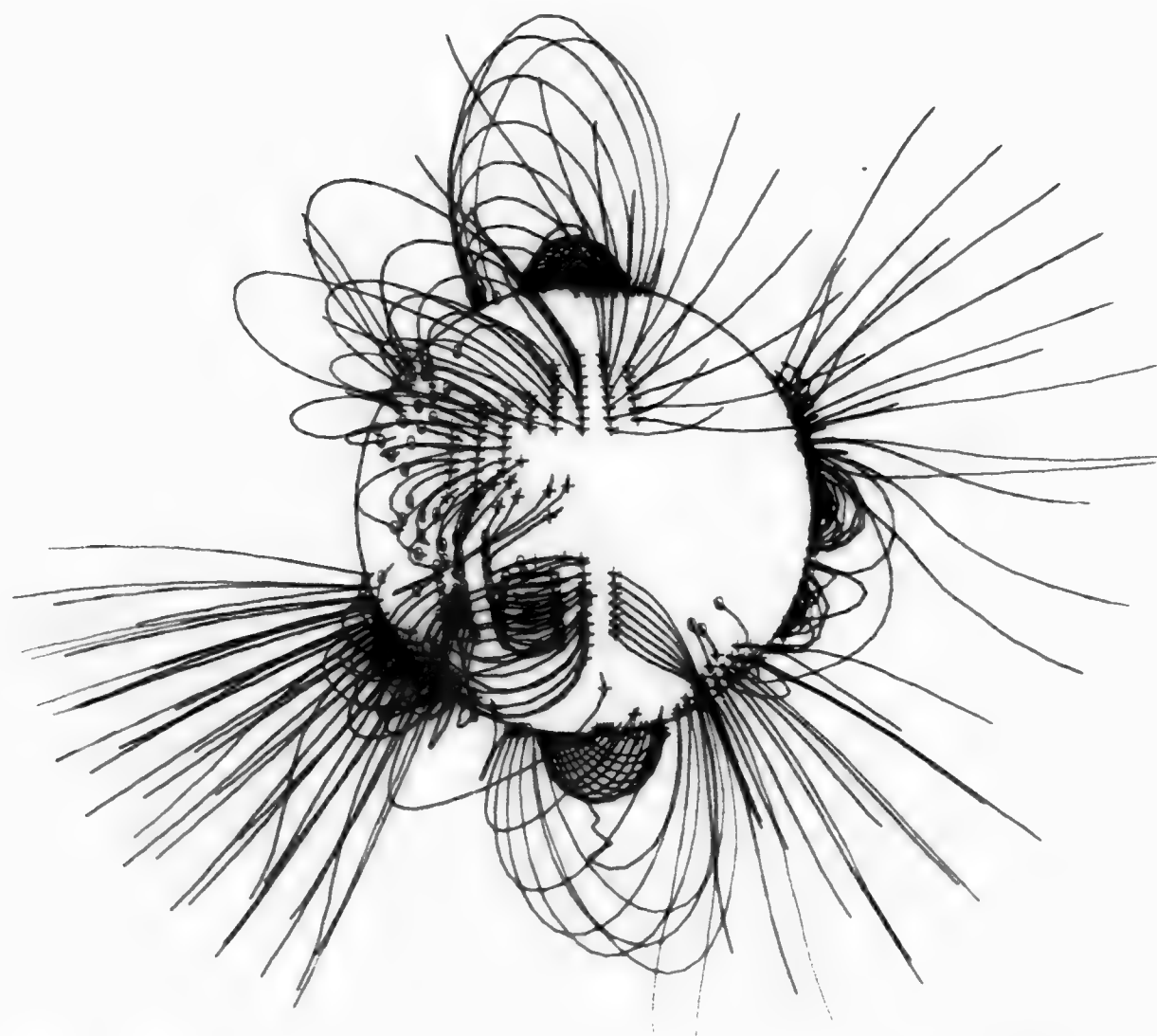
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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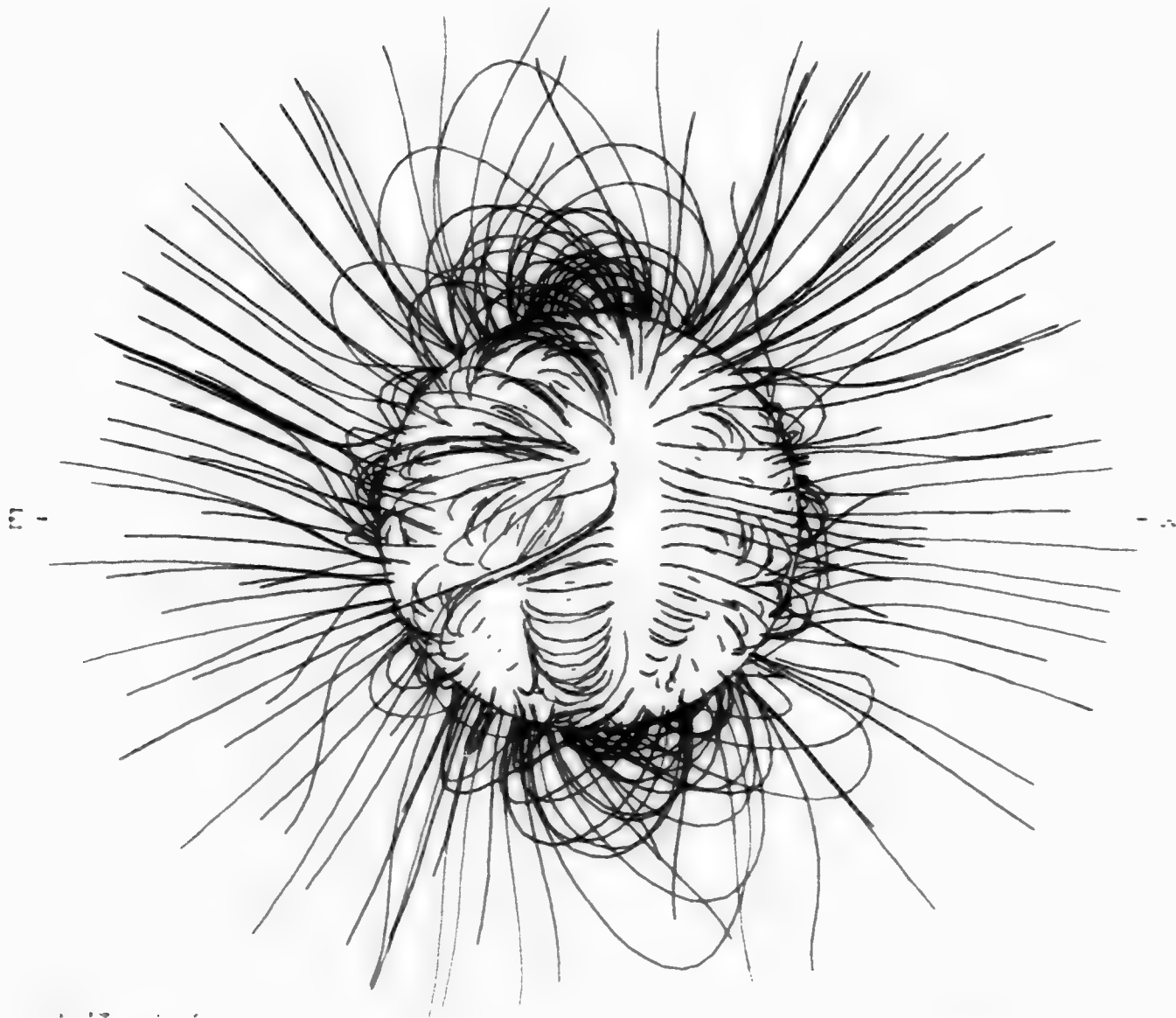
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HALES DIRECT
 1594.00

HALE OBSERVATORY
 HALES DIRECT
 1594.00

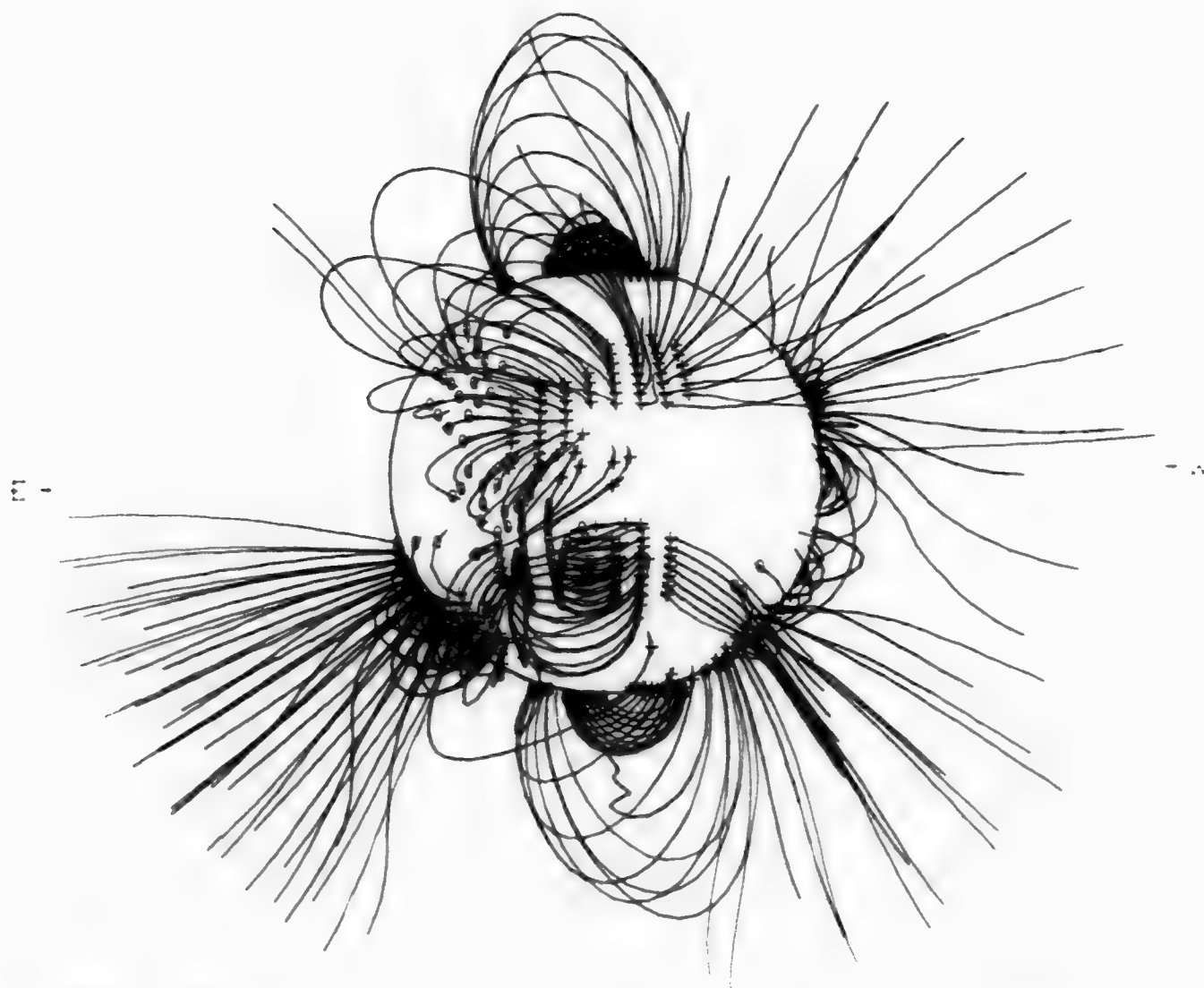
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 1900-1901
 1902-1903

HALE OBSERVATORY
 1904-1905
 1906-1907

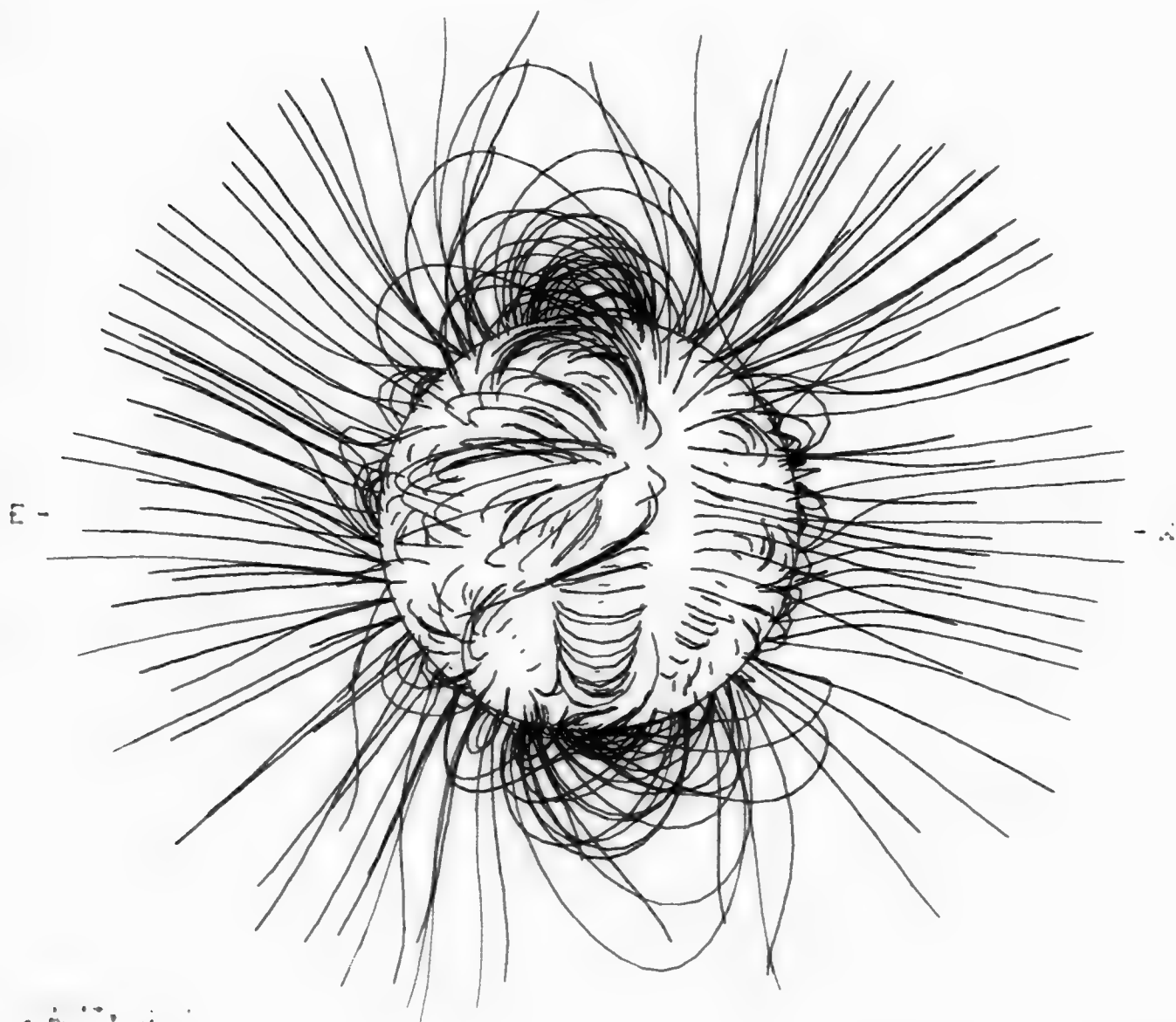
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES

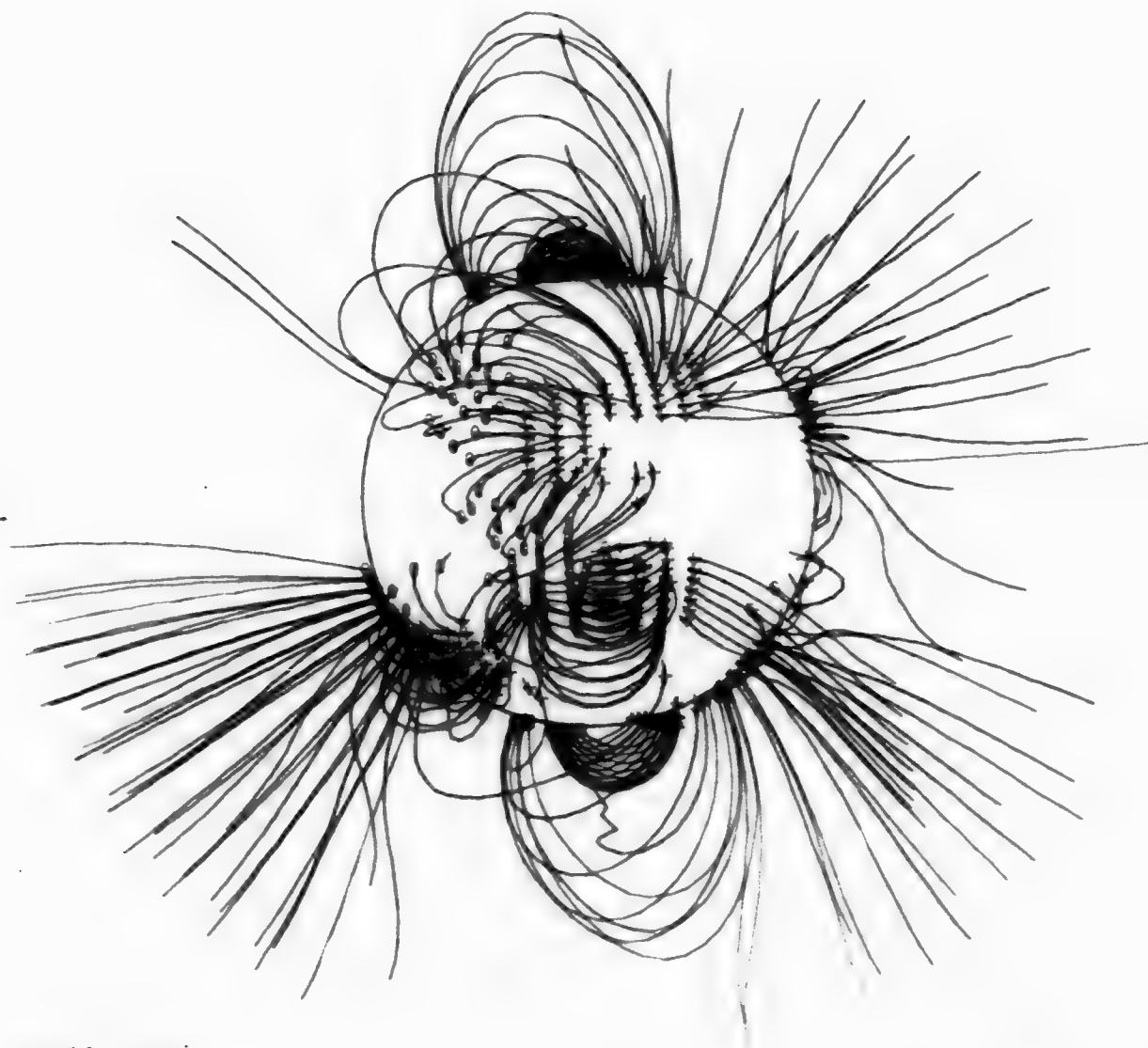
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 RULES DIRECT
 DATA ANALYSIS

HALE OBSERVATORY
 RULES DIRECT
 DATA ANALYSIS

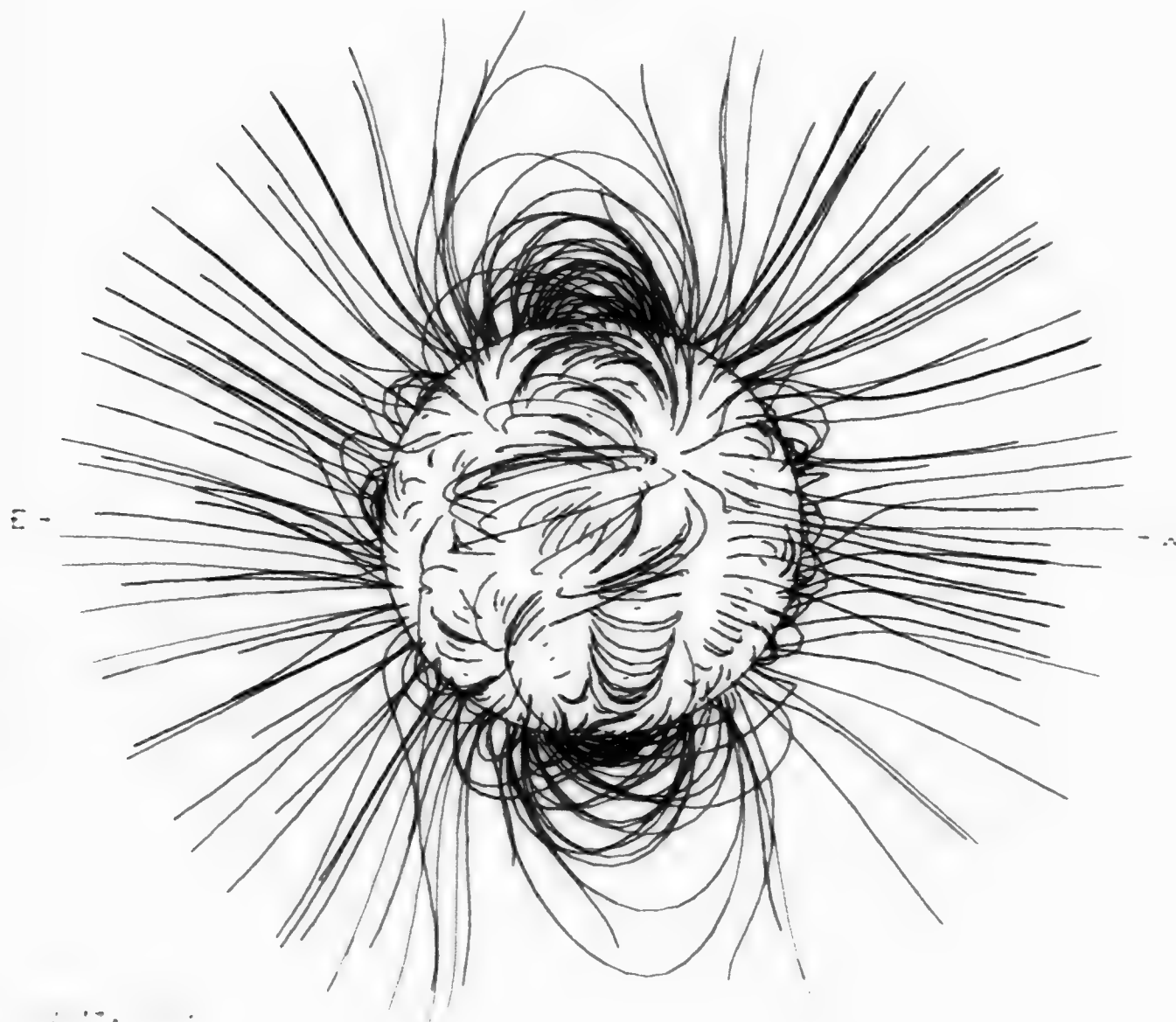
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUEBLO, COLORADO
1917-1918

HALE OBSERVATORY
PUEBLO, COLORADO
1917-1918

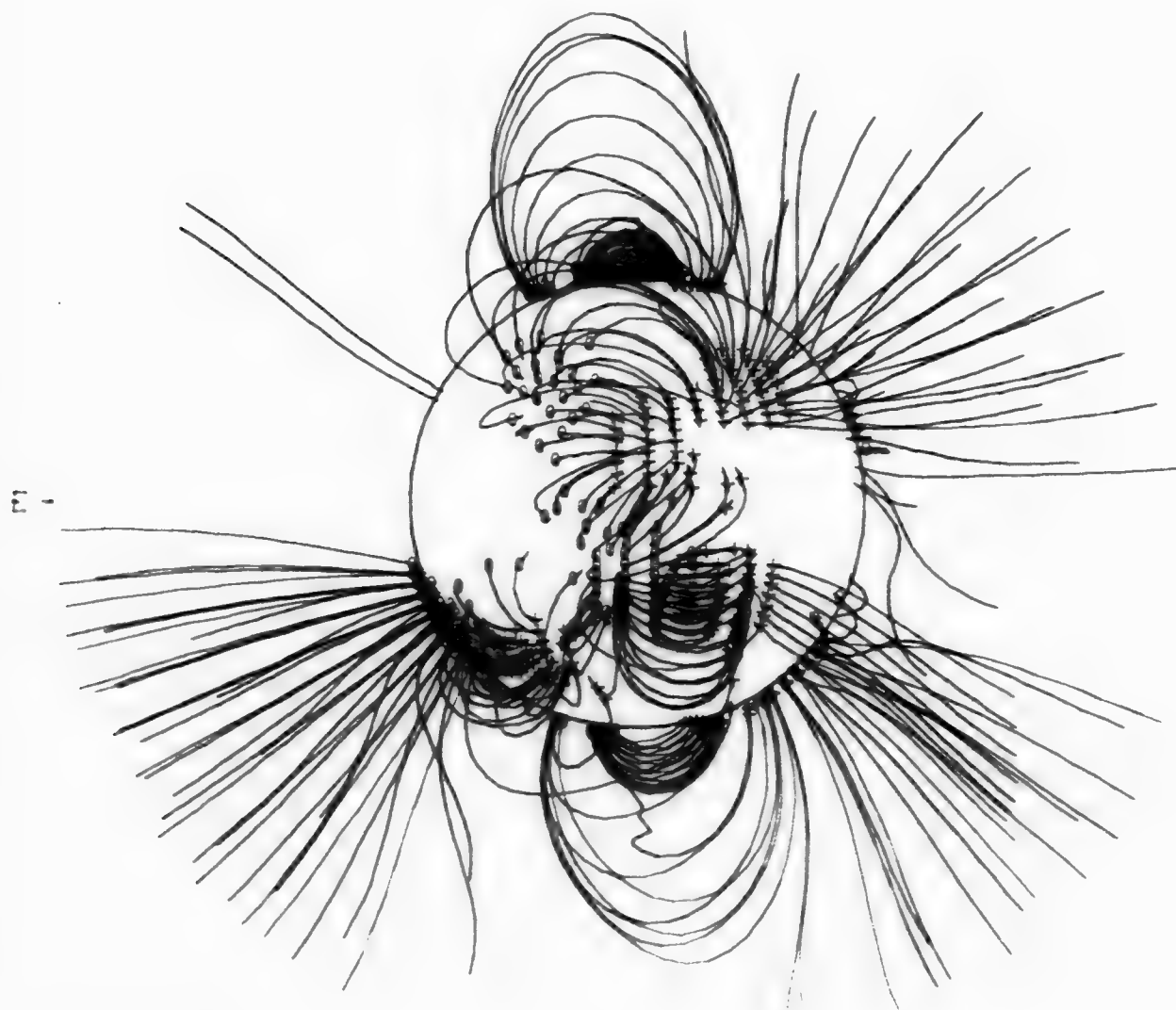
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
HAWAII

HALE
OBSERVATORY
HAWAII

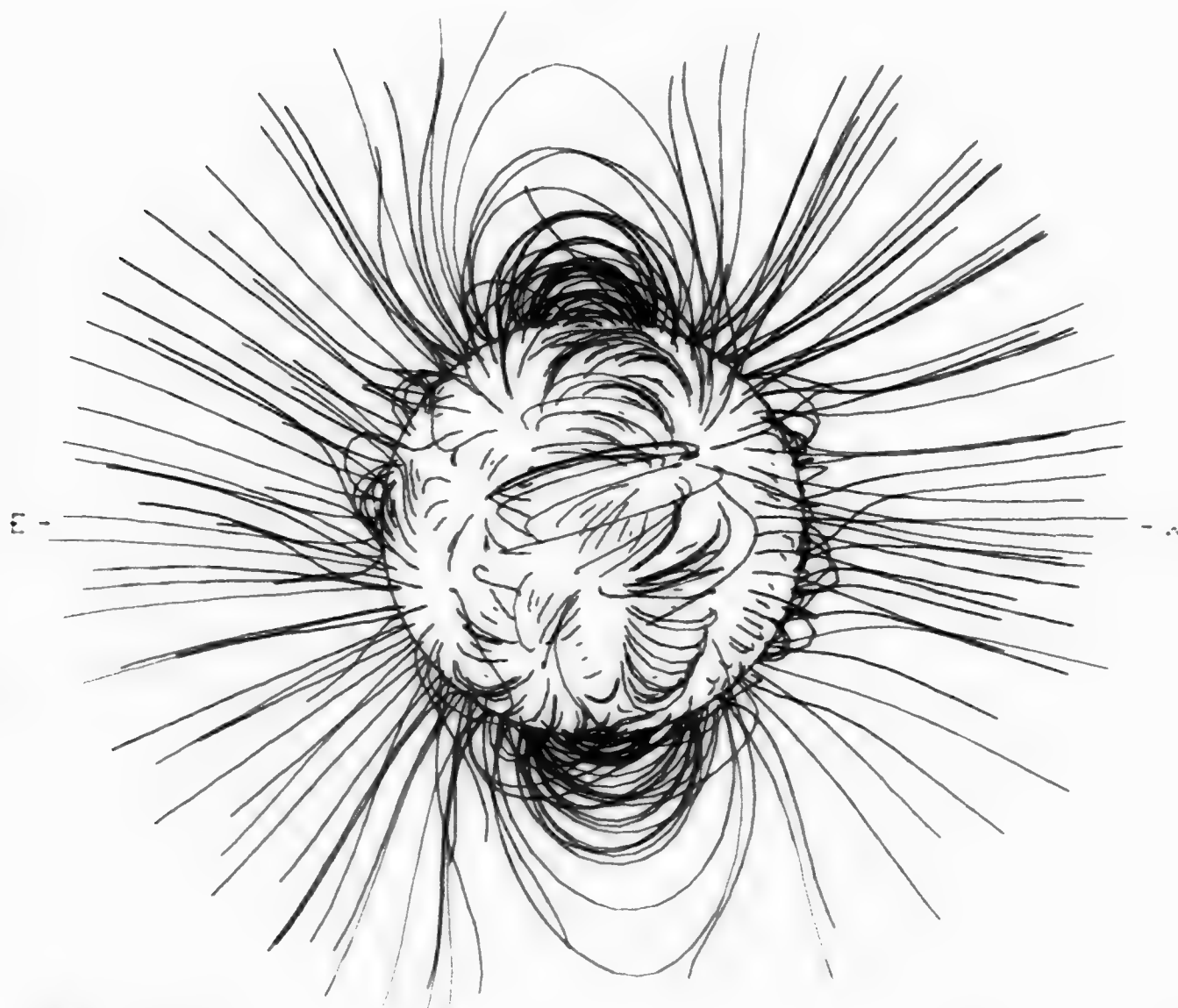
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORIES
HALE OBSERVATORIES
HALE OBSERVATORIES

HALE OBSERVATORIES
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HALE OBSERVATORIES

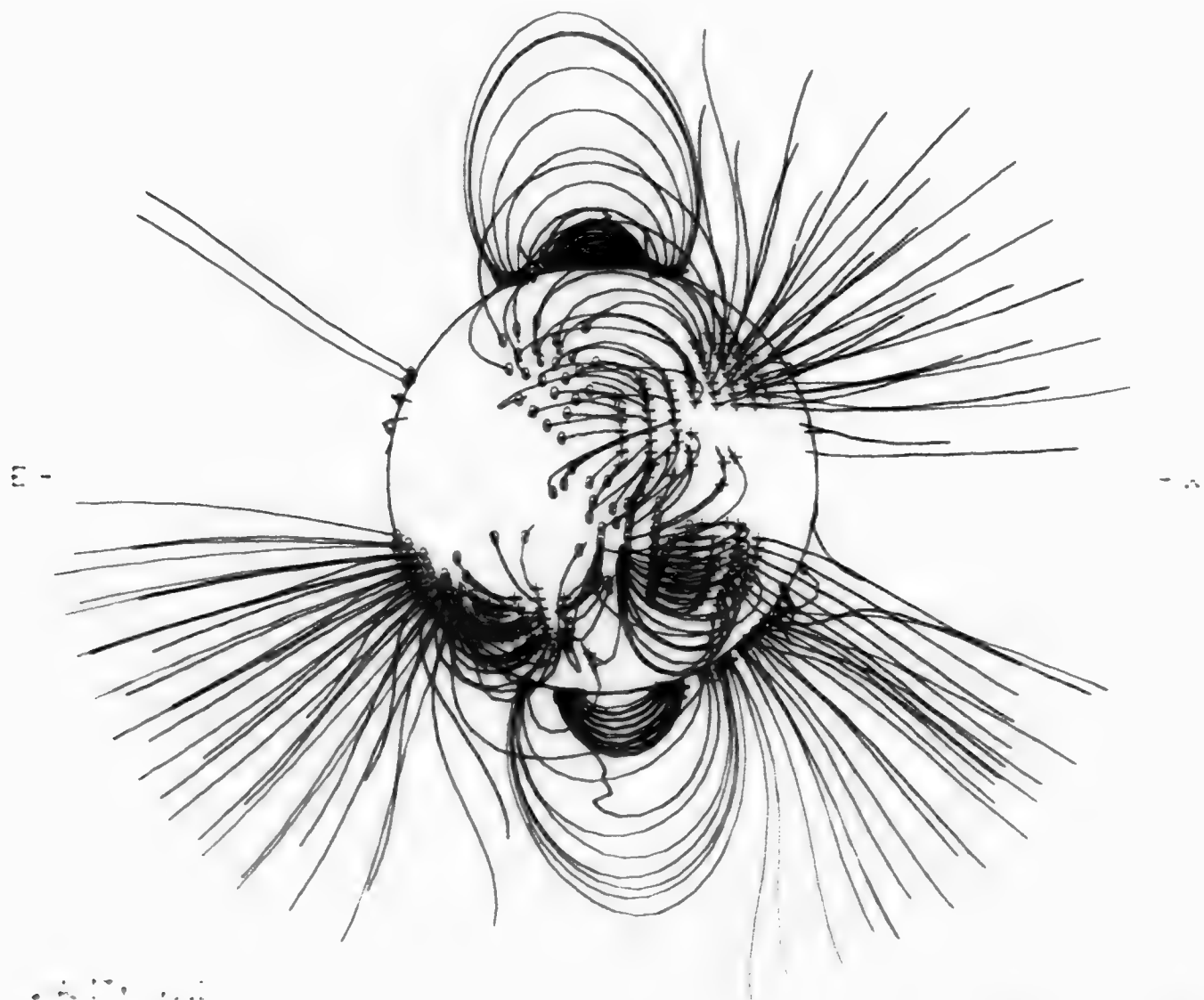
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 1908-1909
 1910-1911

HALE OBSERVATORY
 1912-1913
 1914-1915

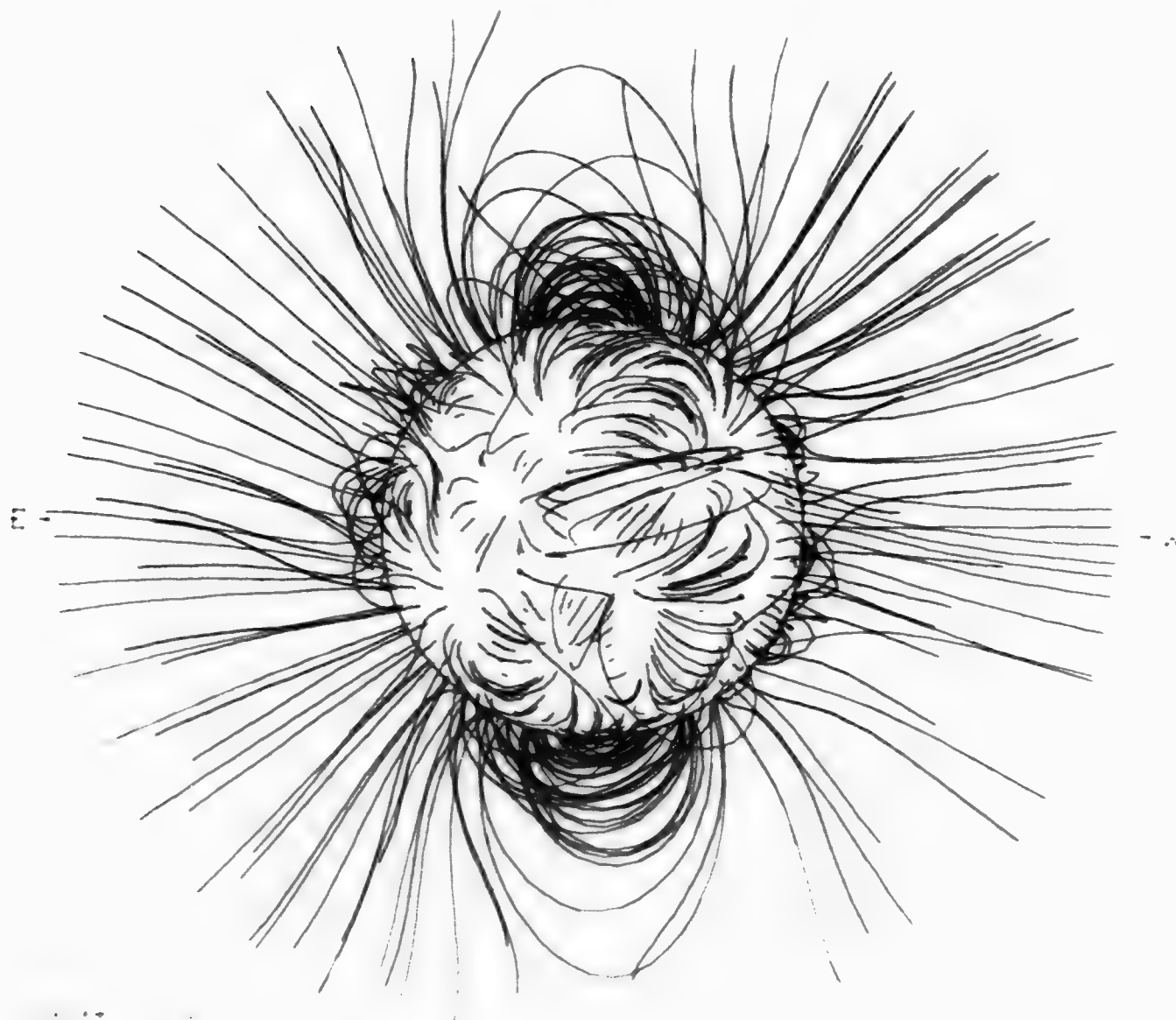
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 HAILE OBSERVATORIES
 HAILE OBSERVATORIES

HAILE OBSERVATORIES
 HAILE OBSERVATORIES

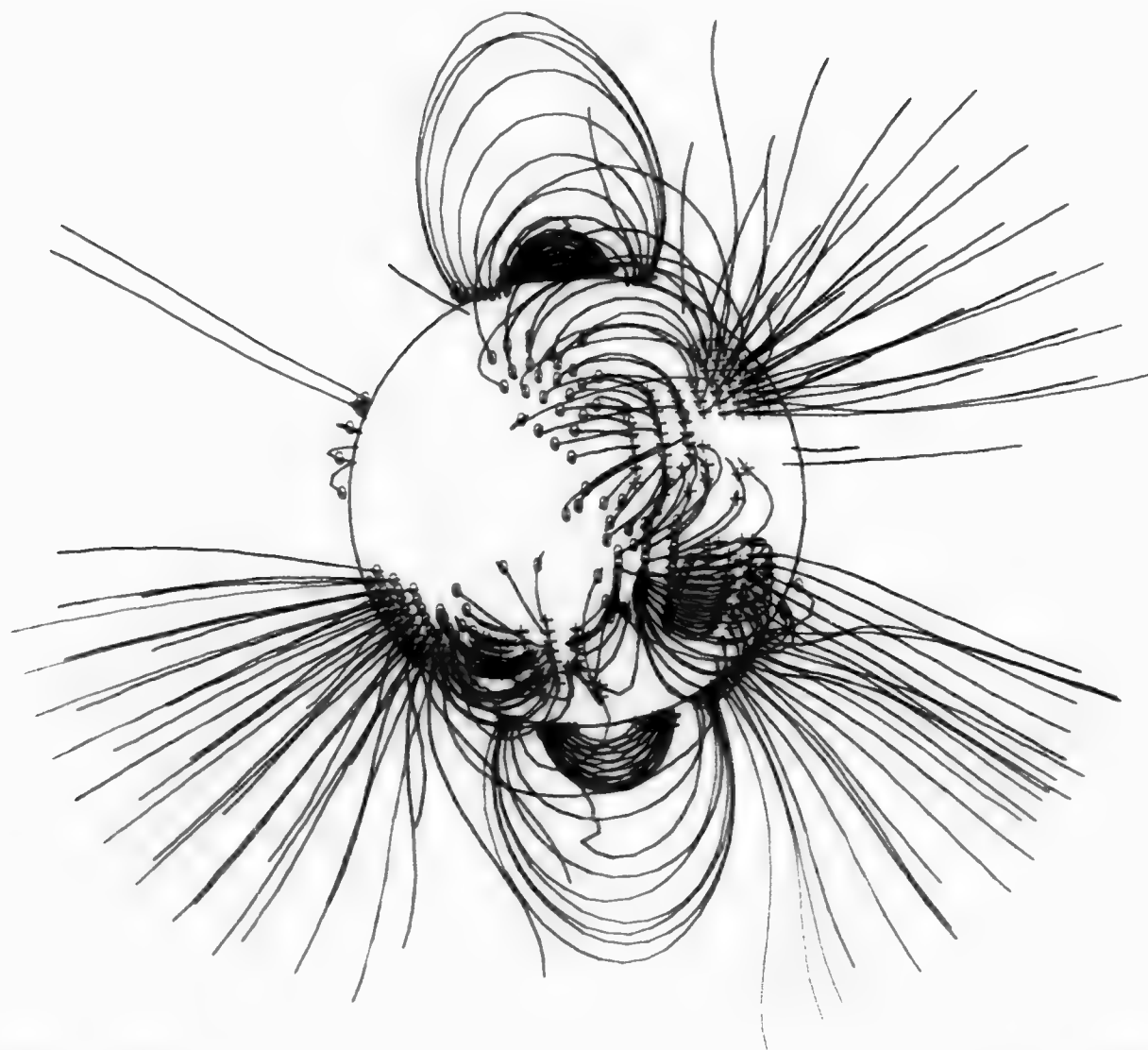
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
HAWAII

HALE
OBSERVATORY
HAWAII

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

HALE OBSERVATORY
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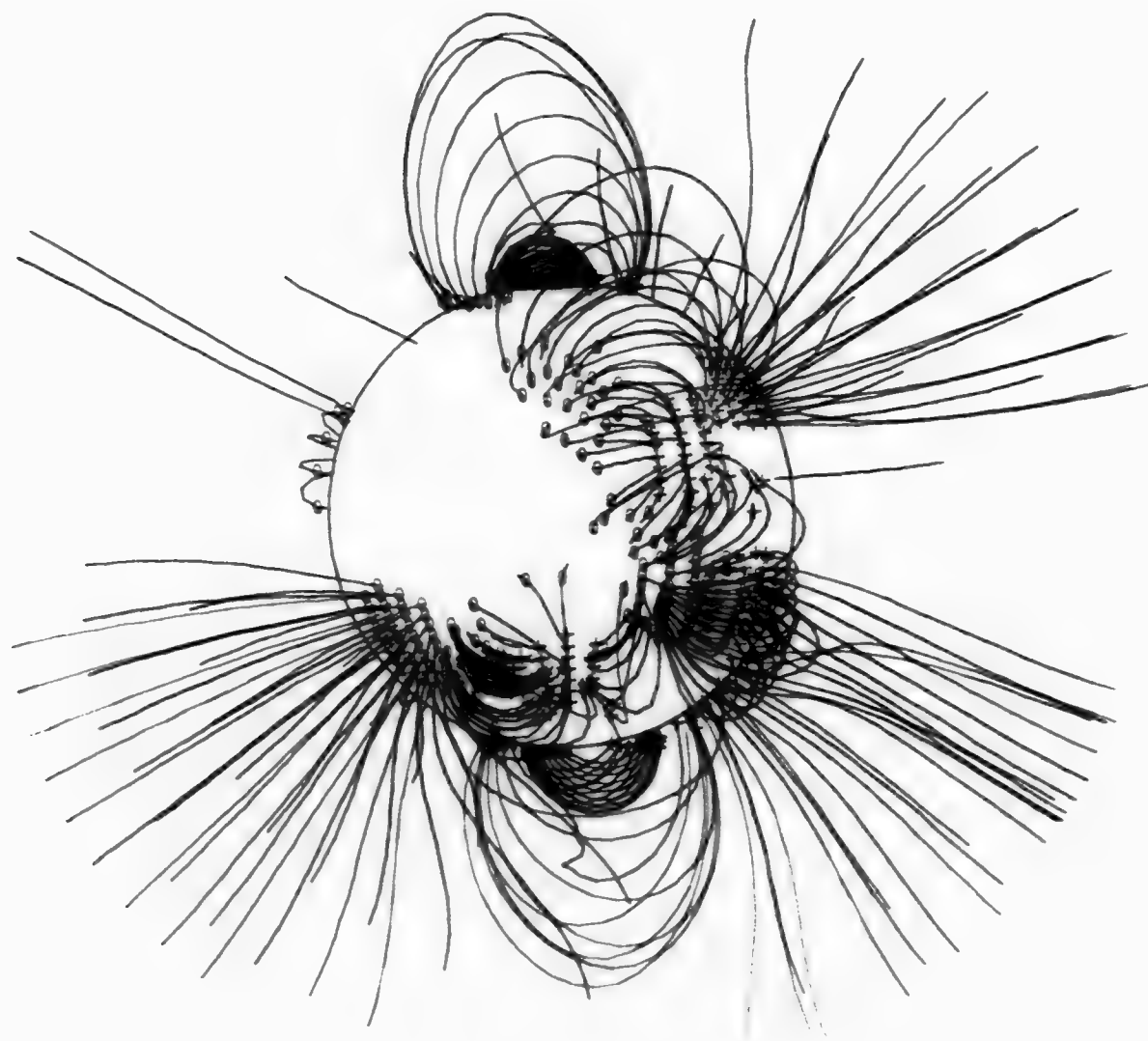
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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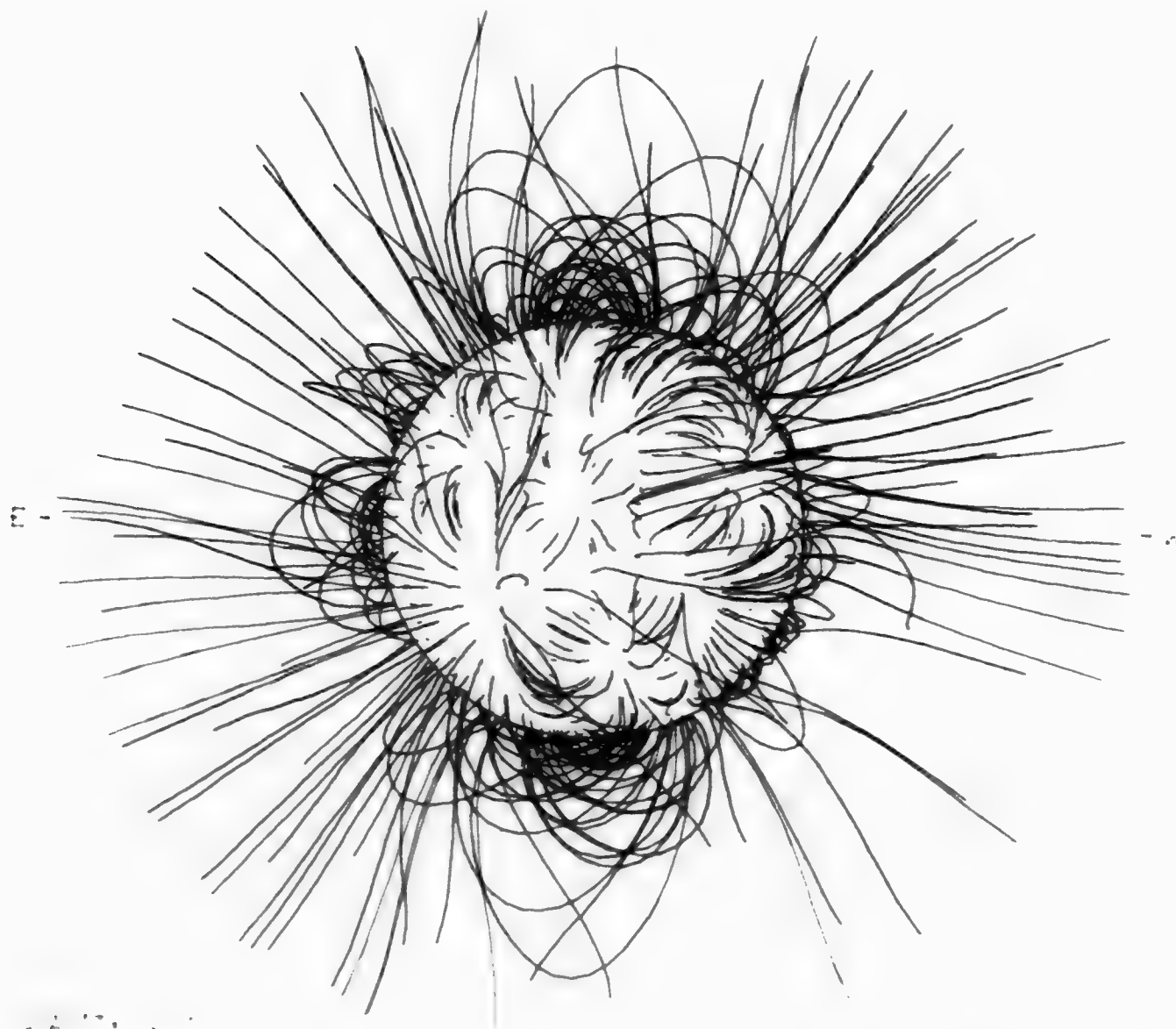
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

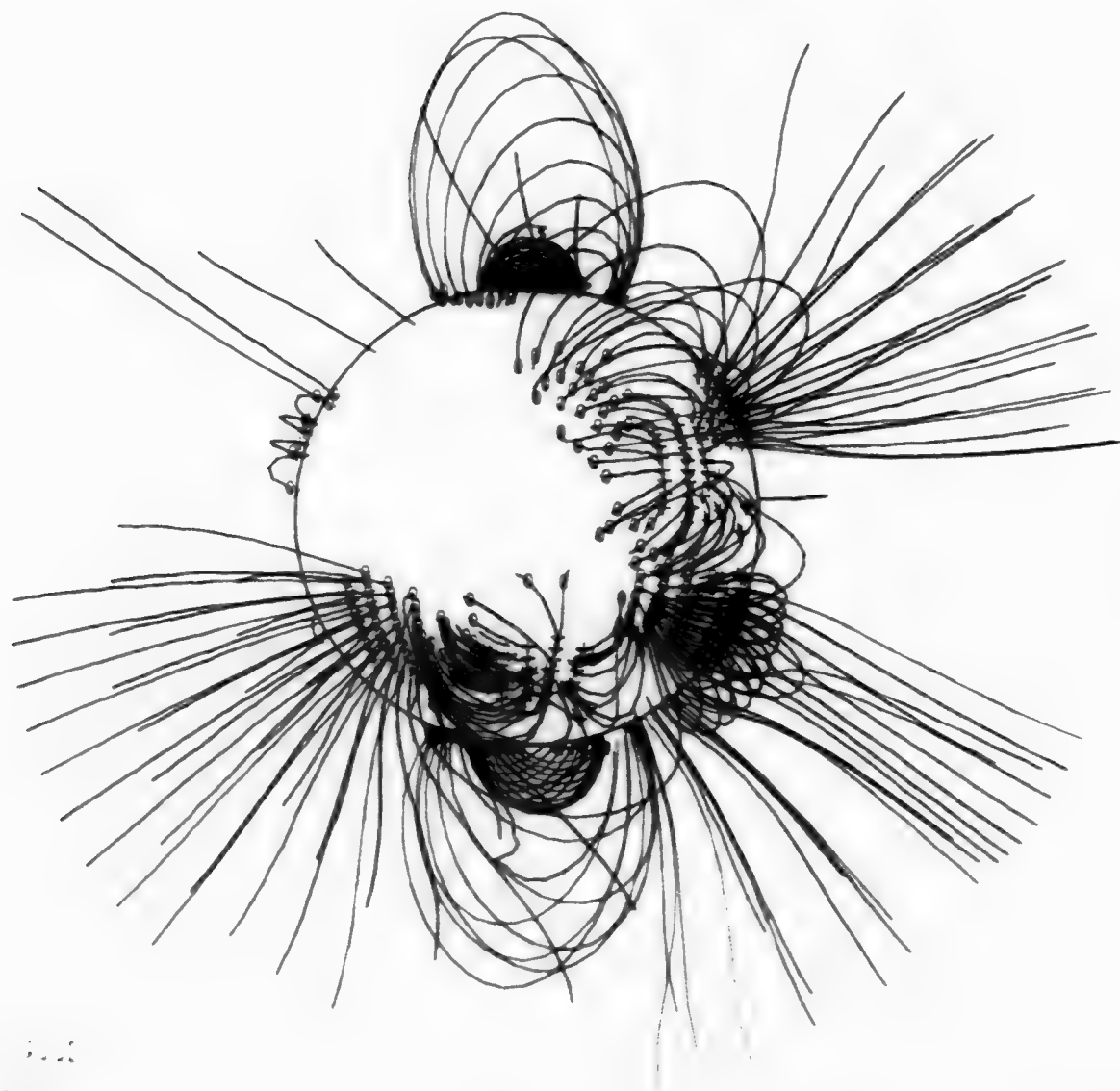
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
AT MOUNT WILSON

HALE
OBSERVATORY
AT MOUNT WILSON

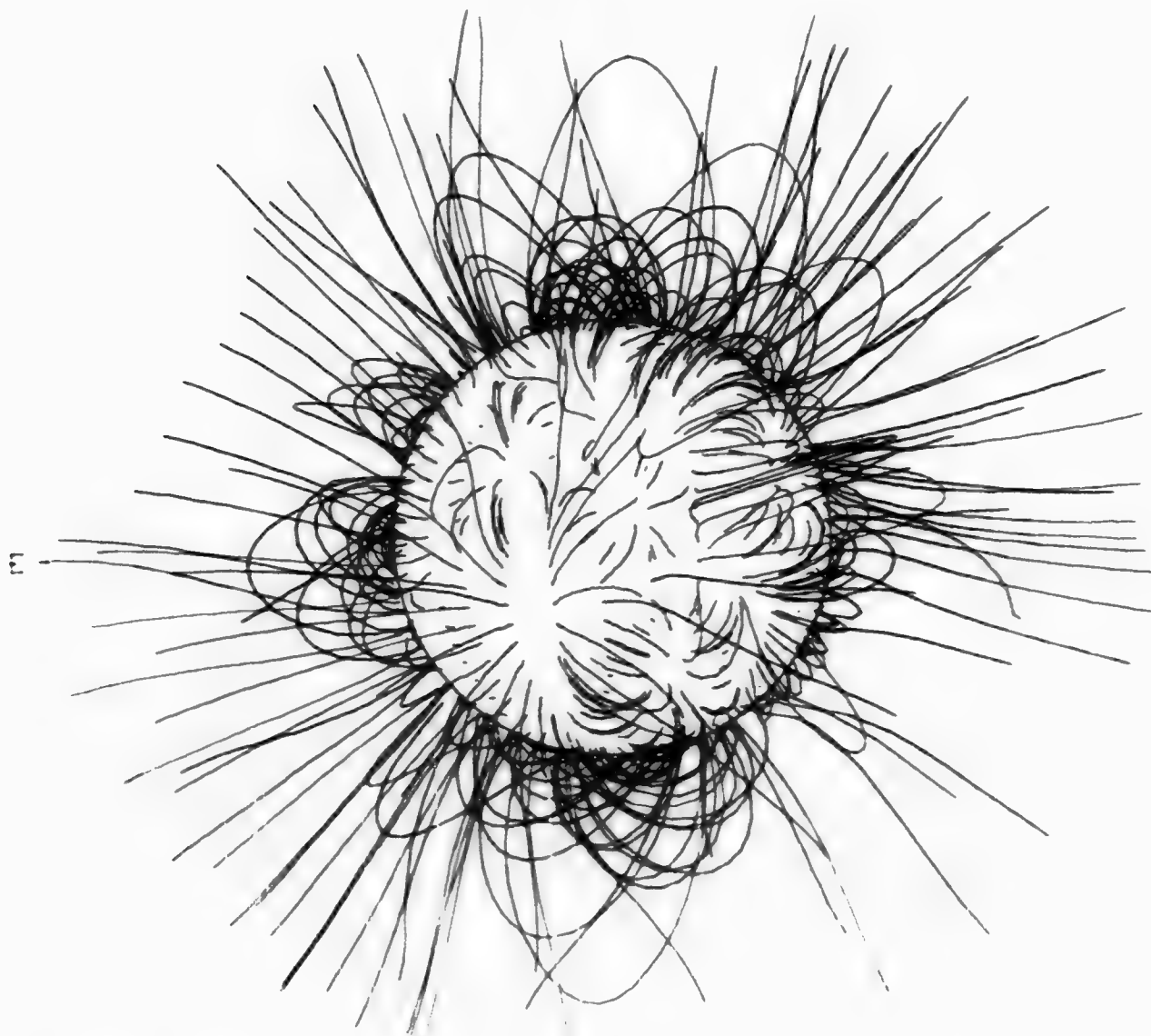
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUEBLO, COLO.
 DATA FOR 1954-55

HALE OBSERVATORY
 PUEBLO, COLO.
 DATA FOR 1954-55

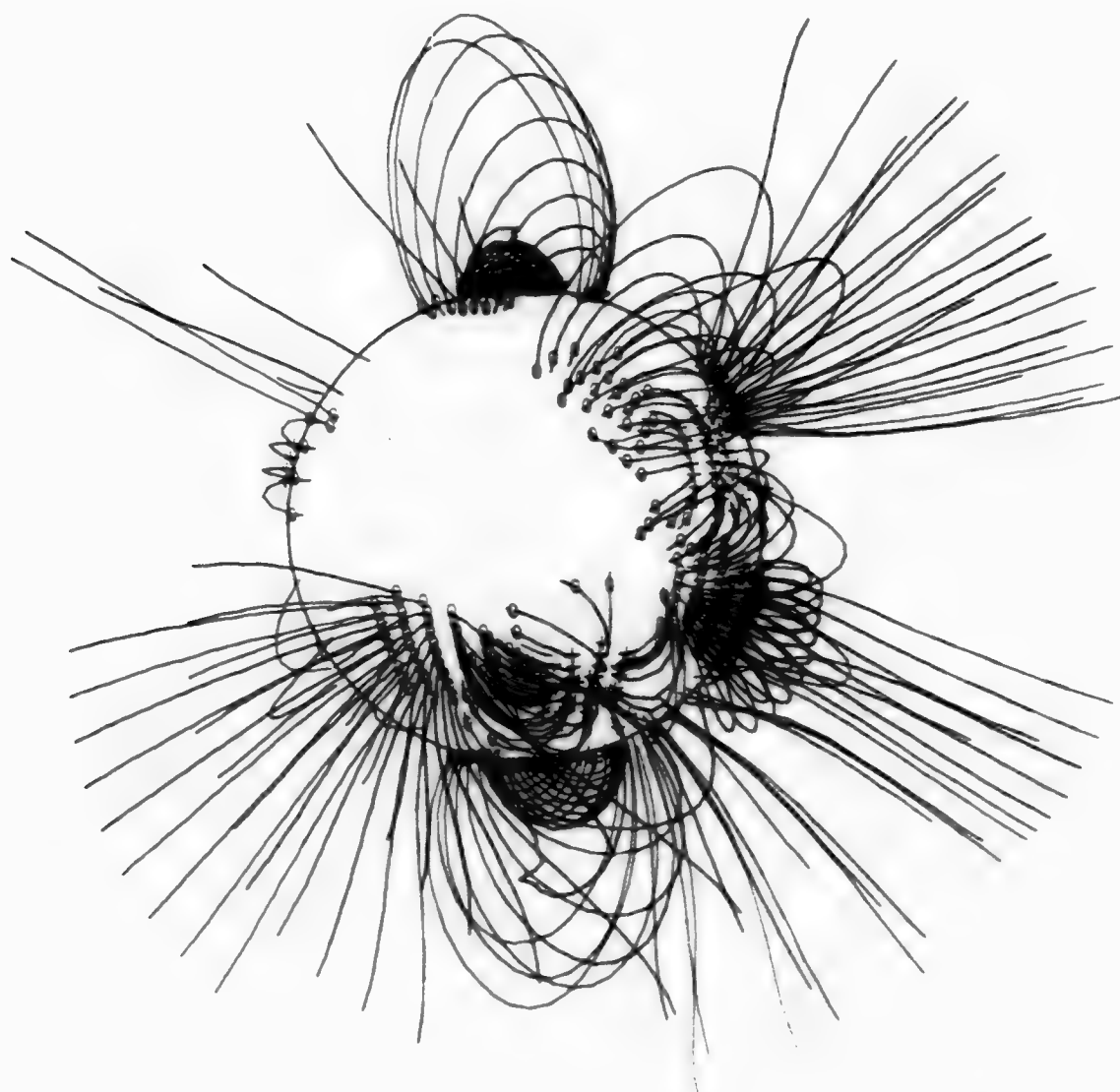
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

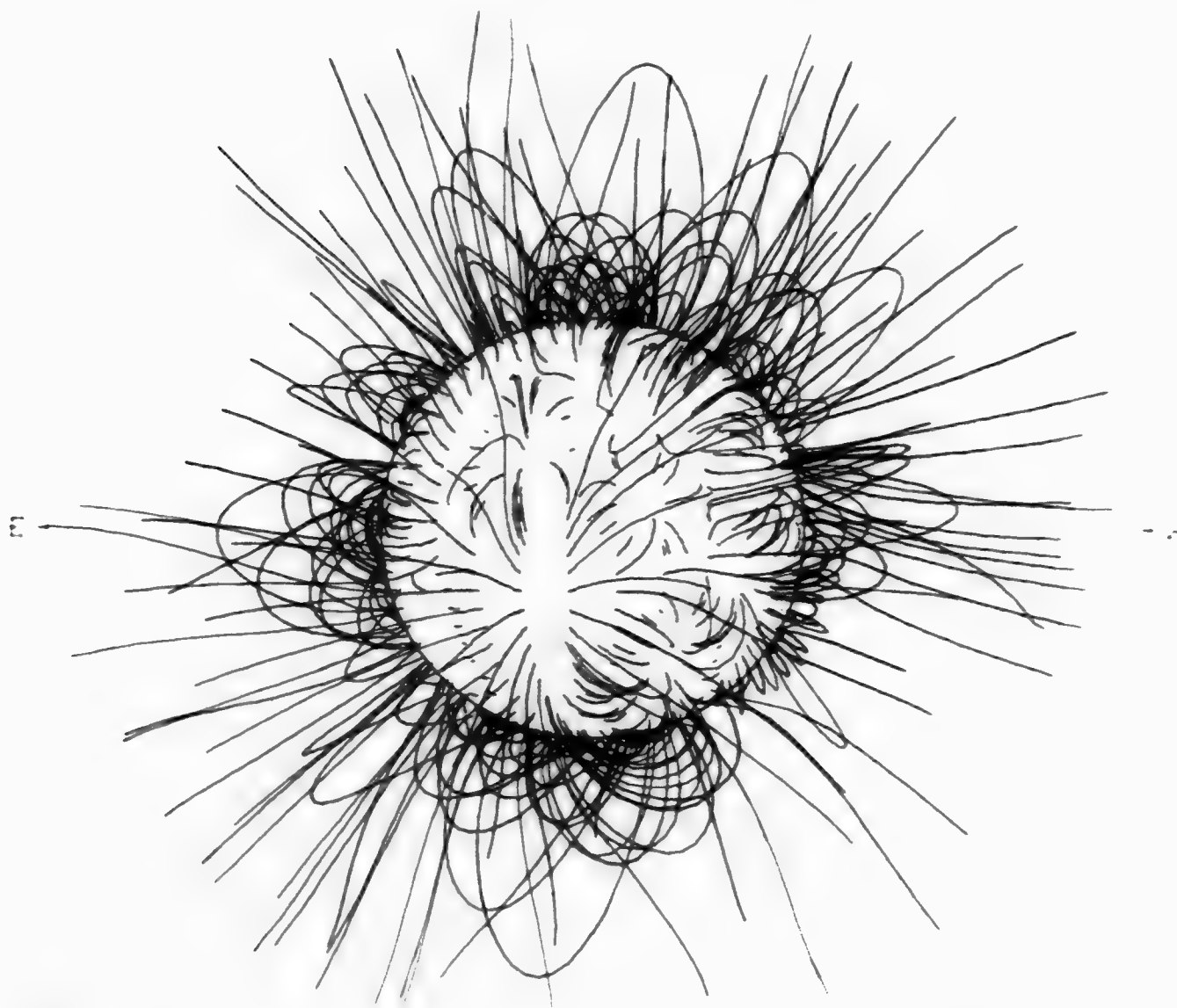
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PAGES 1-10
 DATA AND/OR RECORDS

HALE OBSERVATORY
 PAGES 1-10
 DATA AND/OR RECORDS

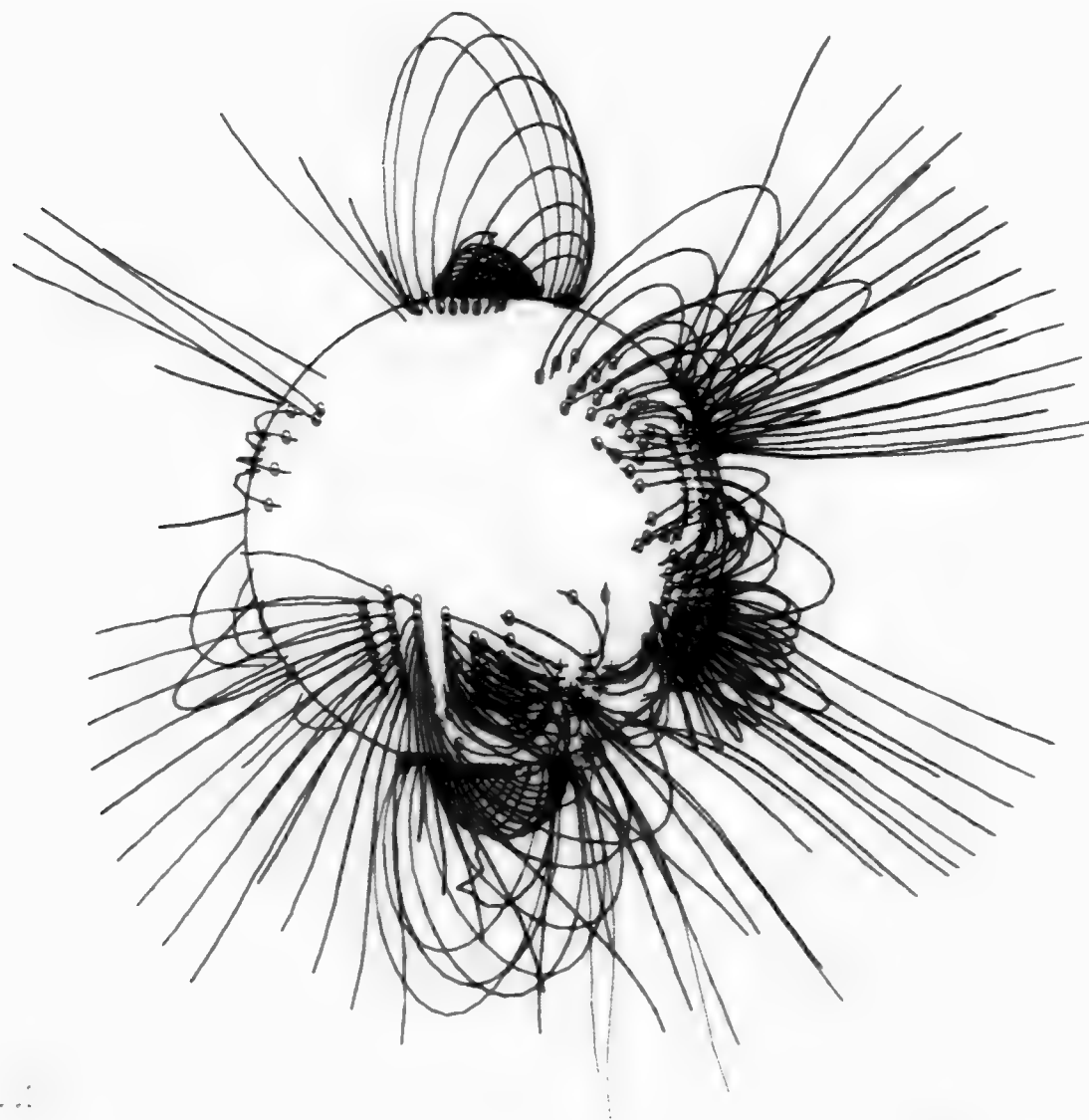
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

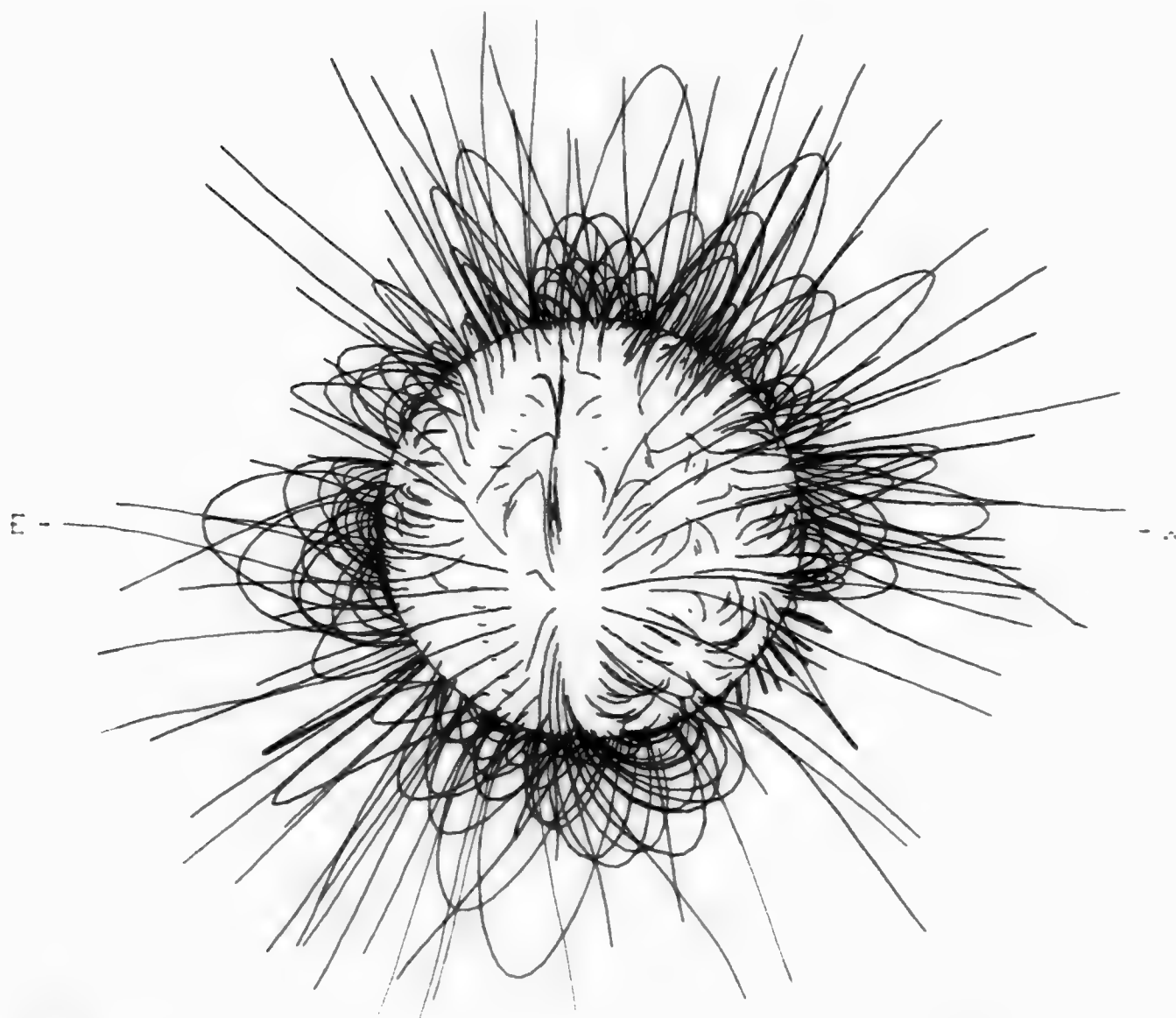
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
DATA

HALE
OBSERVATORY
DATA

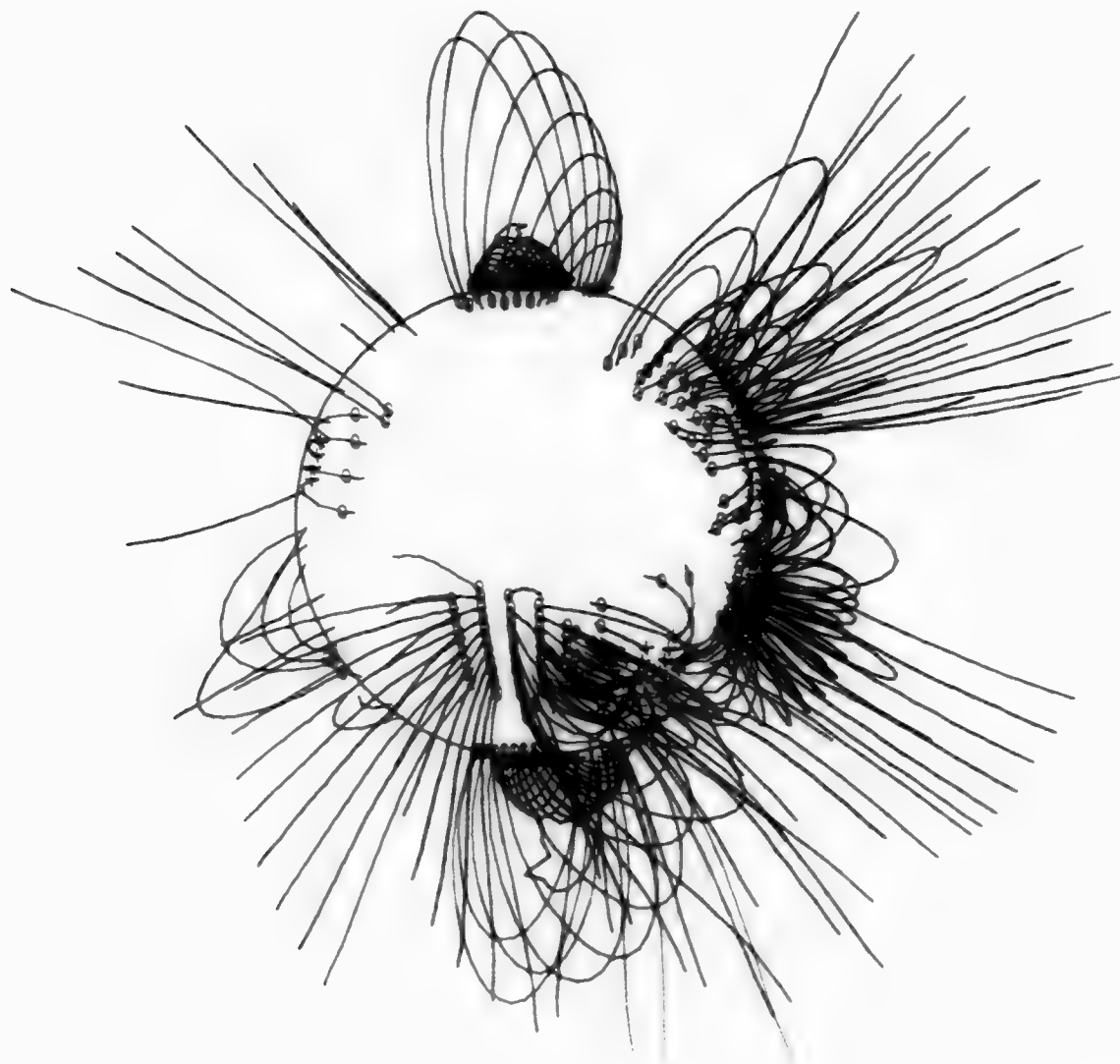
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



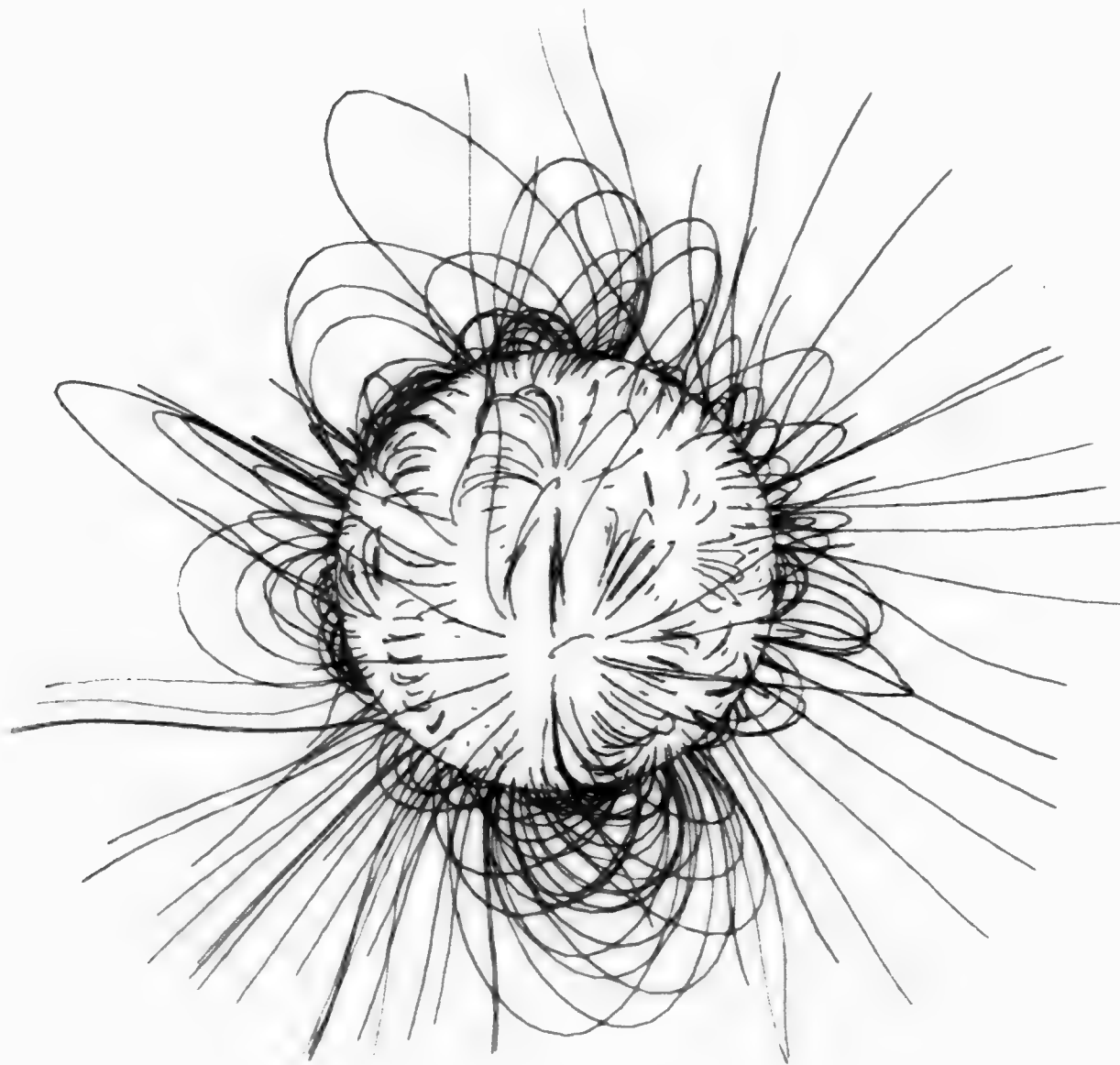
HALE OBSERVATORIES
HALE'S LIFE
HALE'S LIFE

HALE'S LIFE
HALE'S LIFE

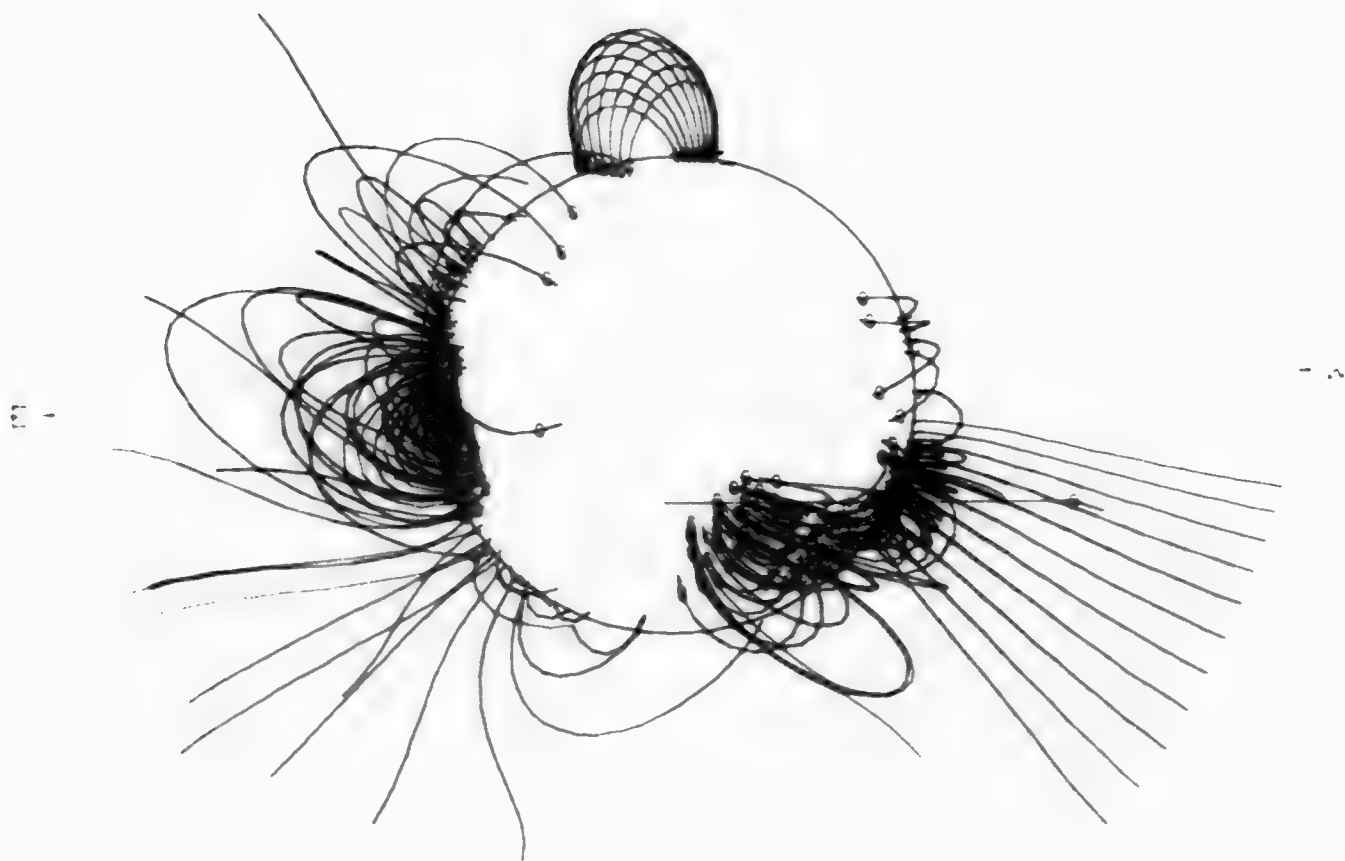
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



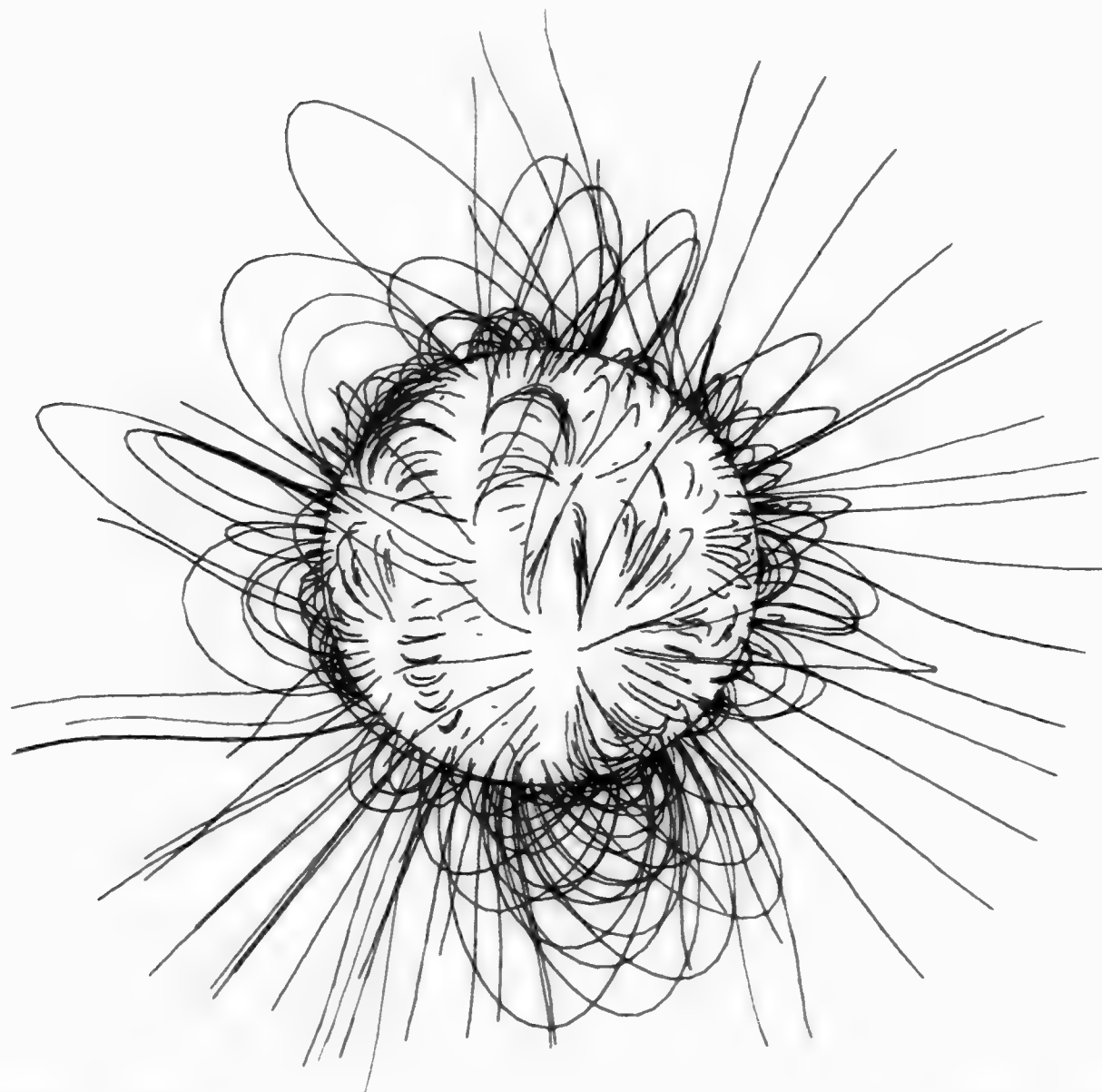
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



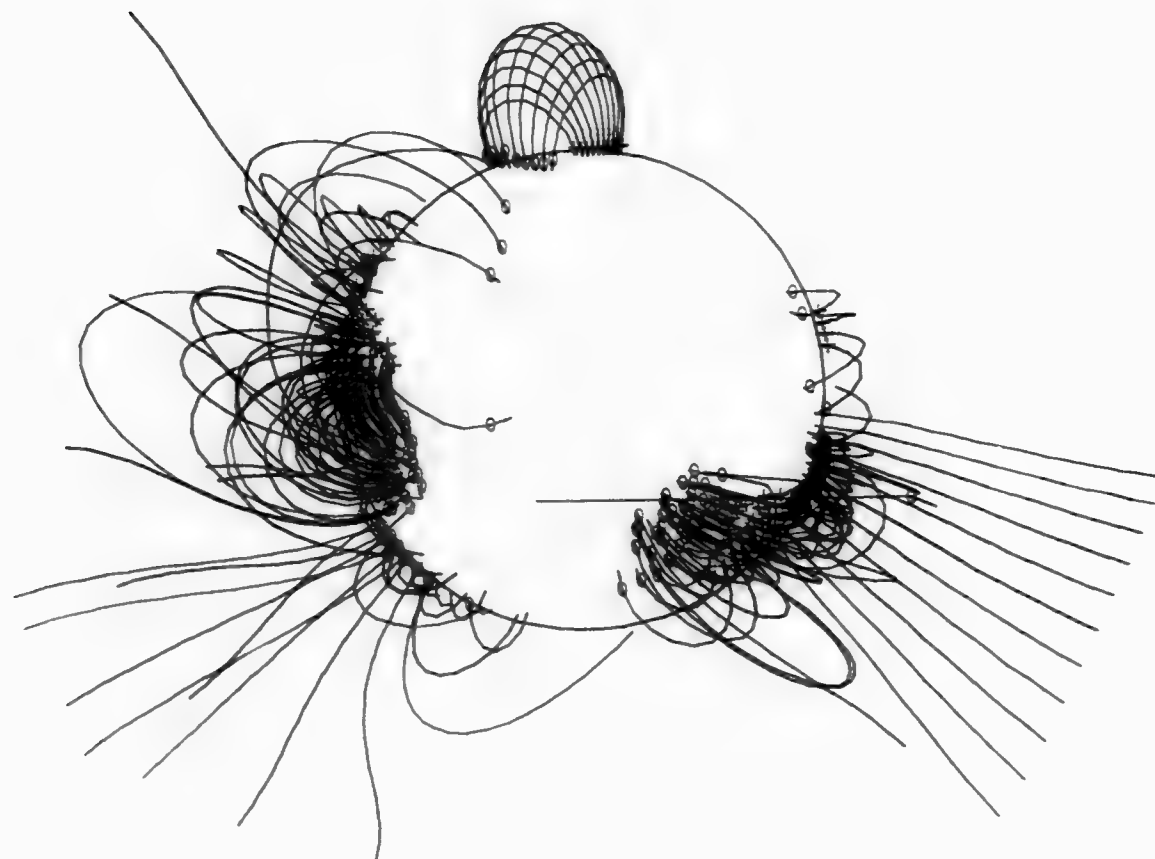
HALE OBSERVATORY
 PLEISTOCENE
 DATA AND/OR 1975.11

HALE OBSERVATORY
 DATA AND/OR 1975.11

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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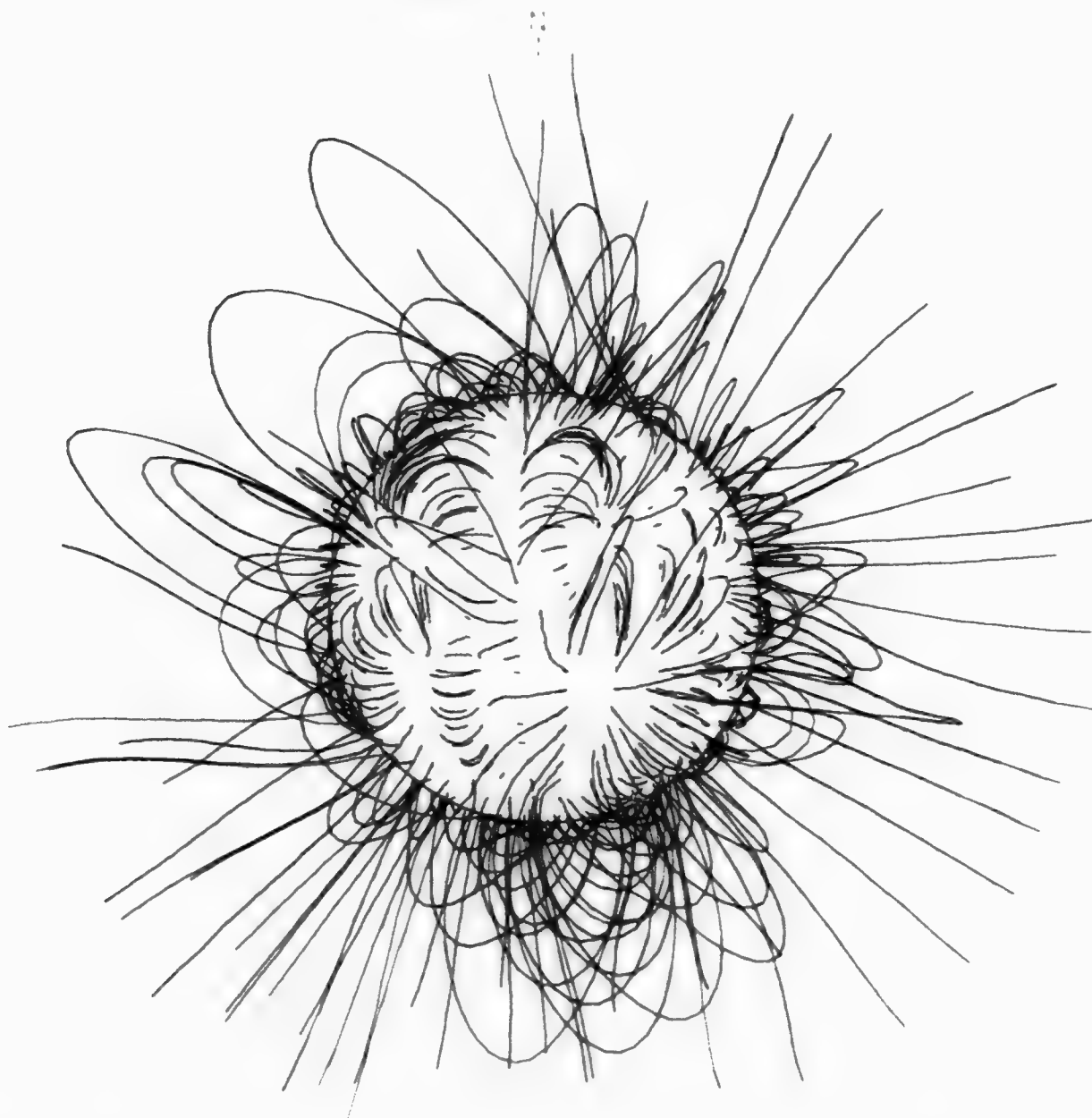


HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

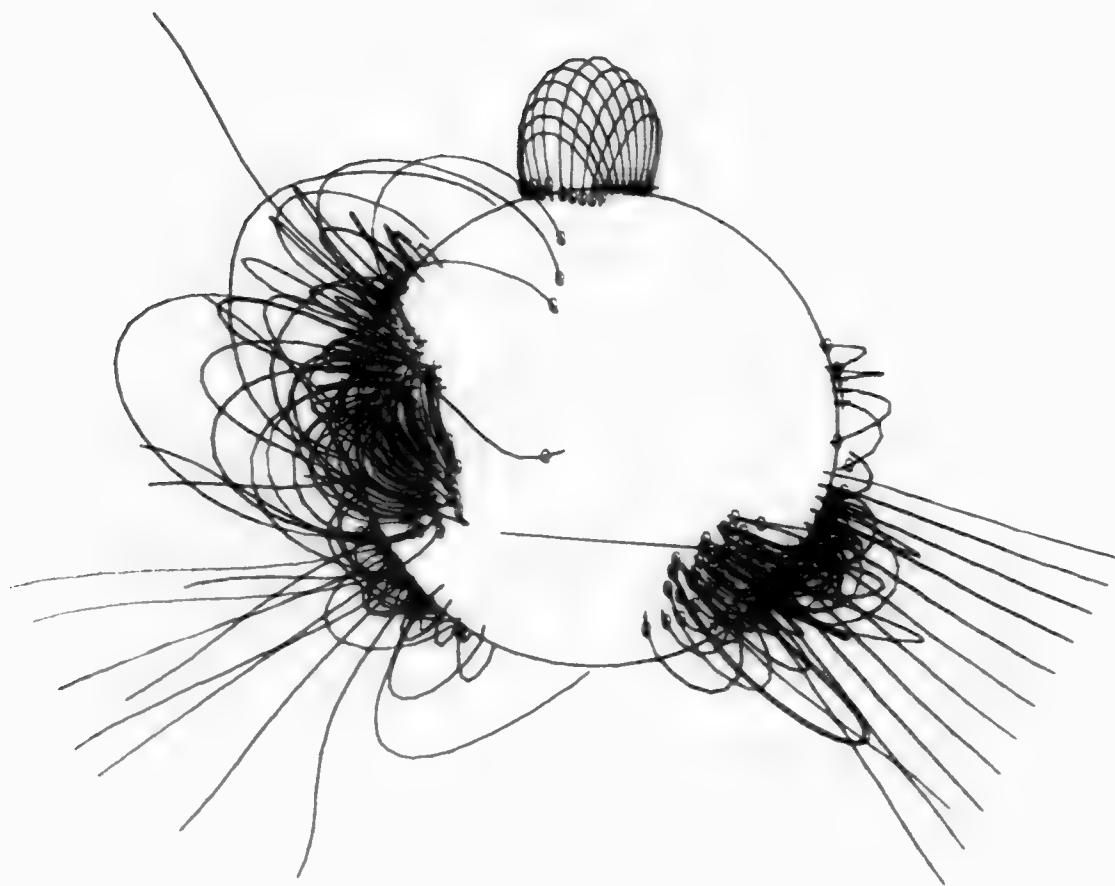
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HALE OBSERVATORY
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HALE OBSERVATORY

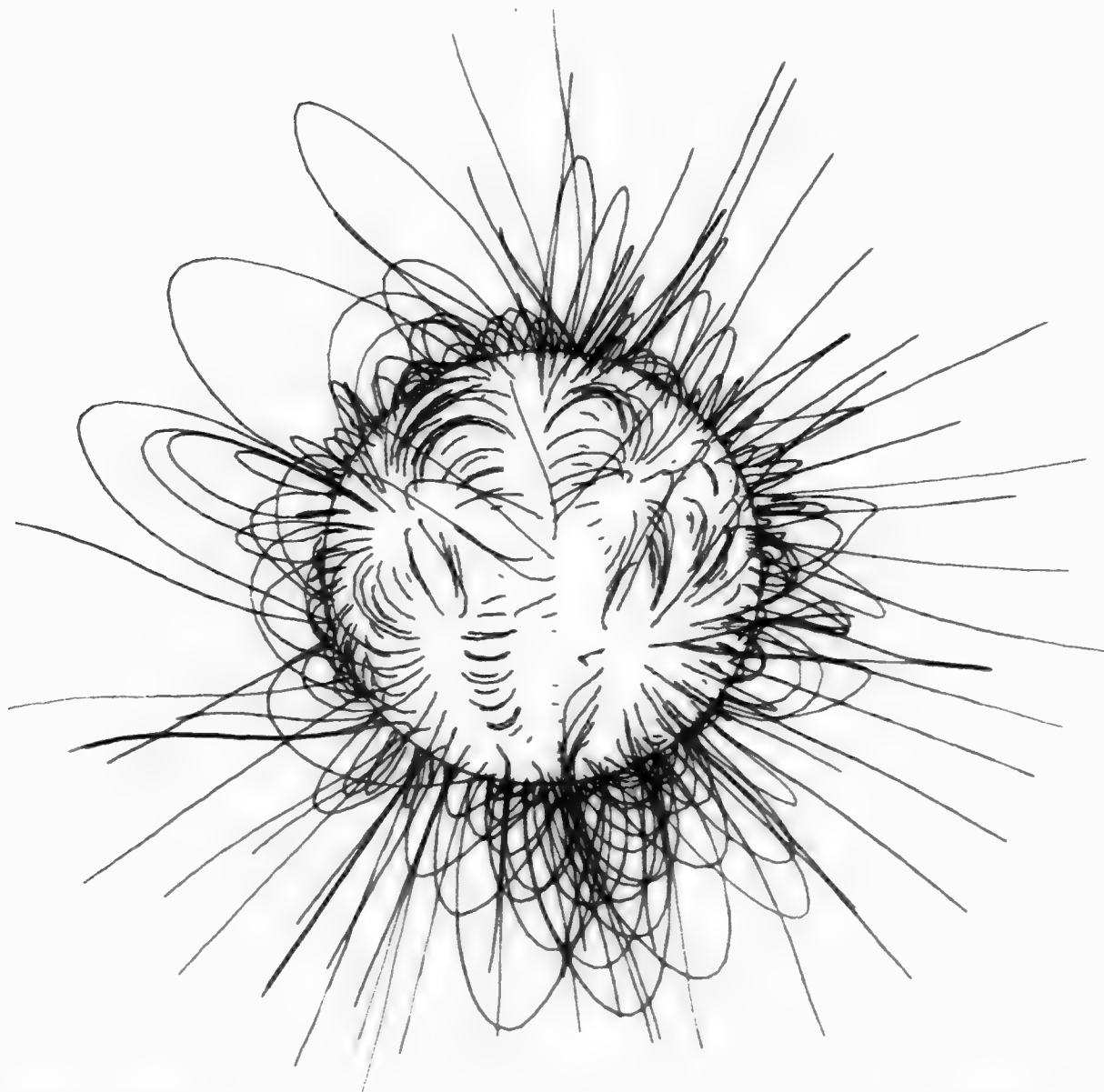
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

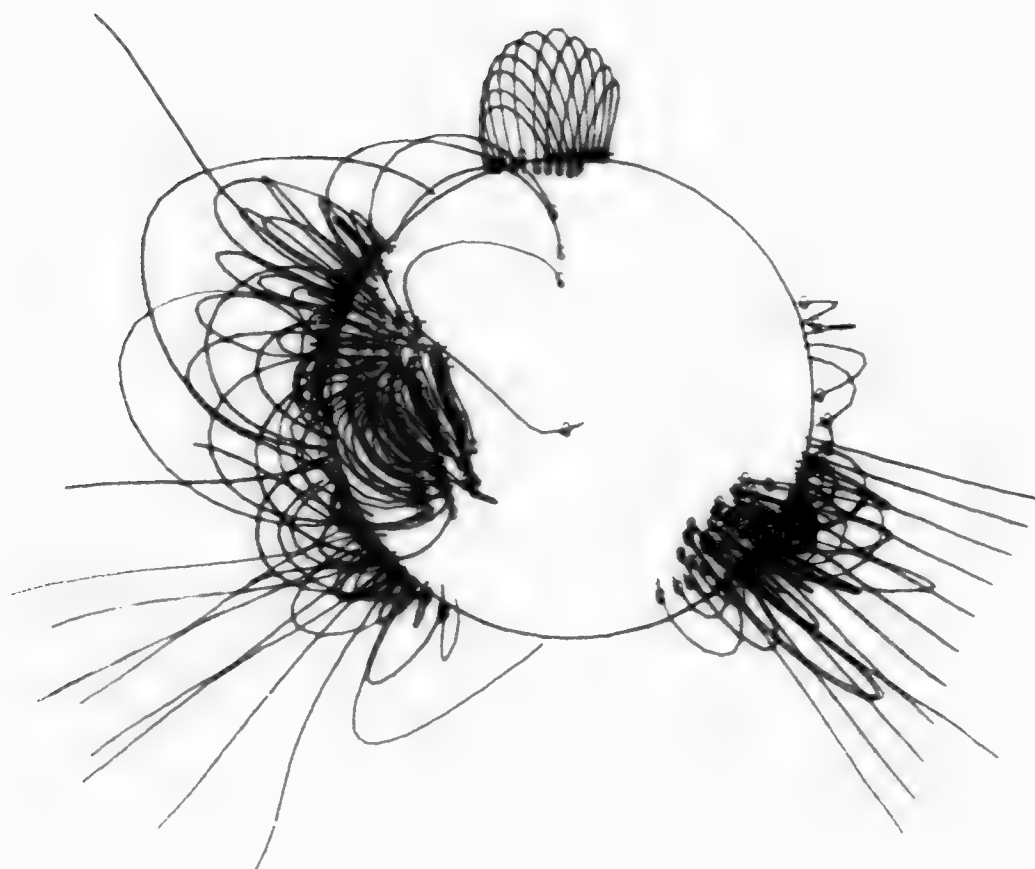
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

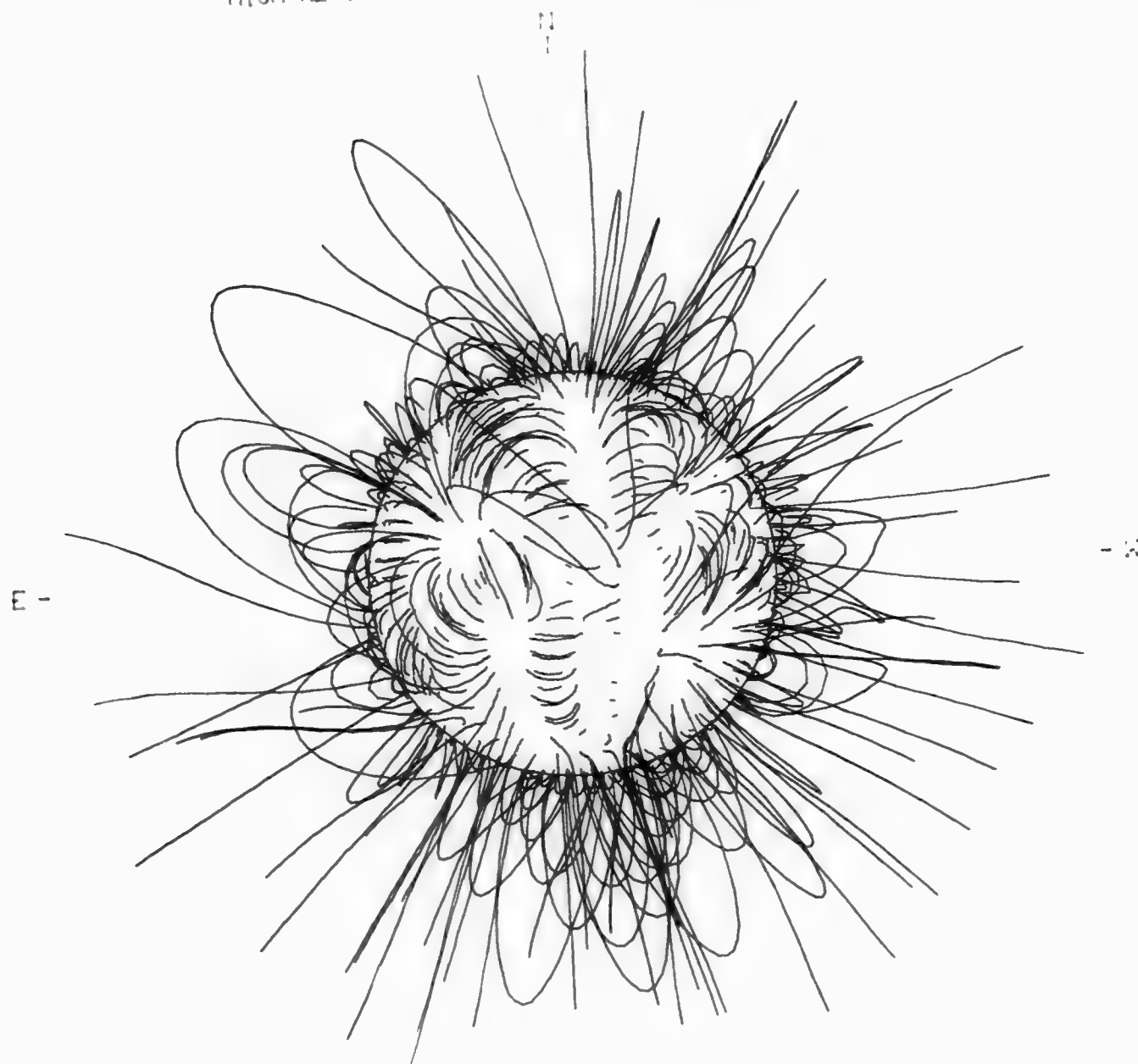
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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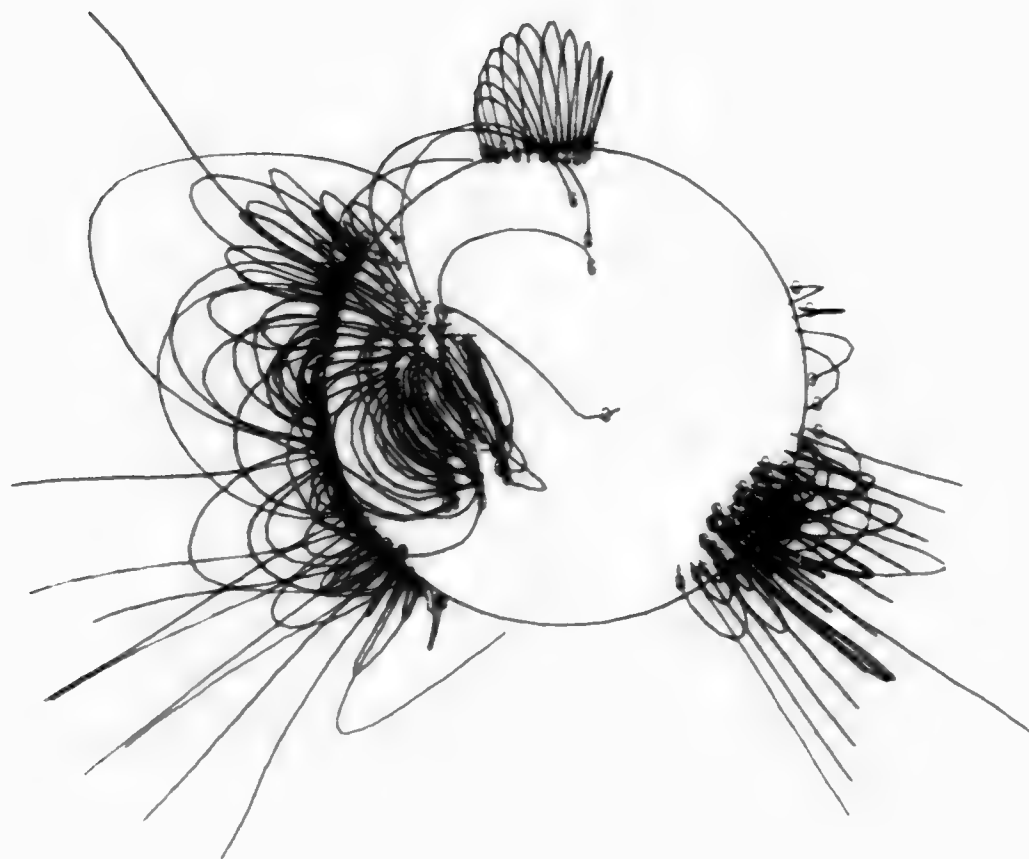
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



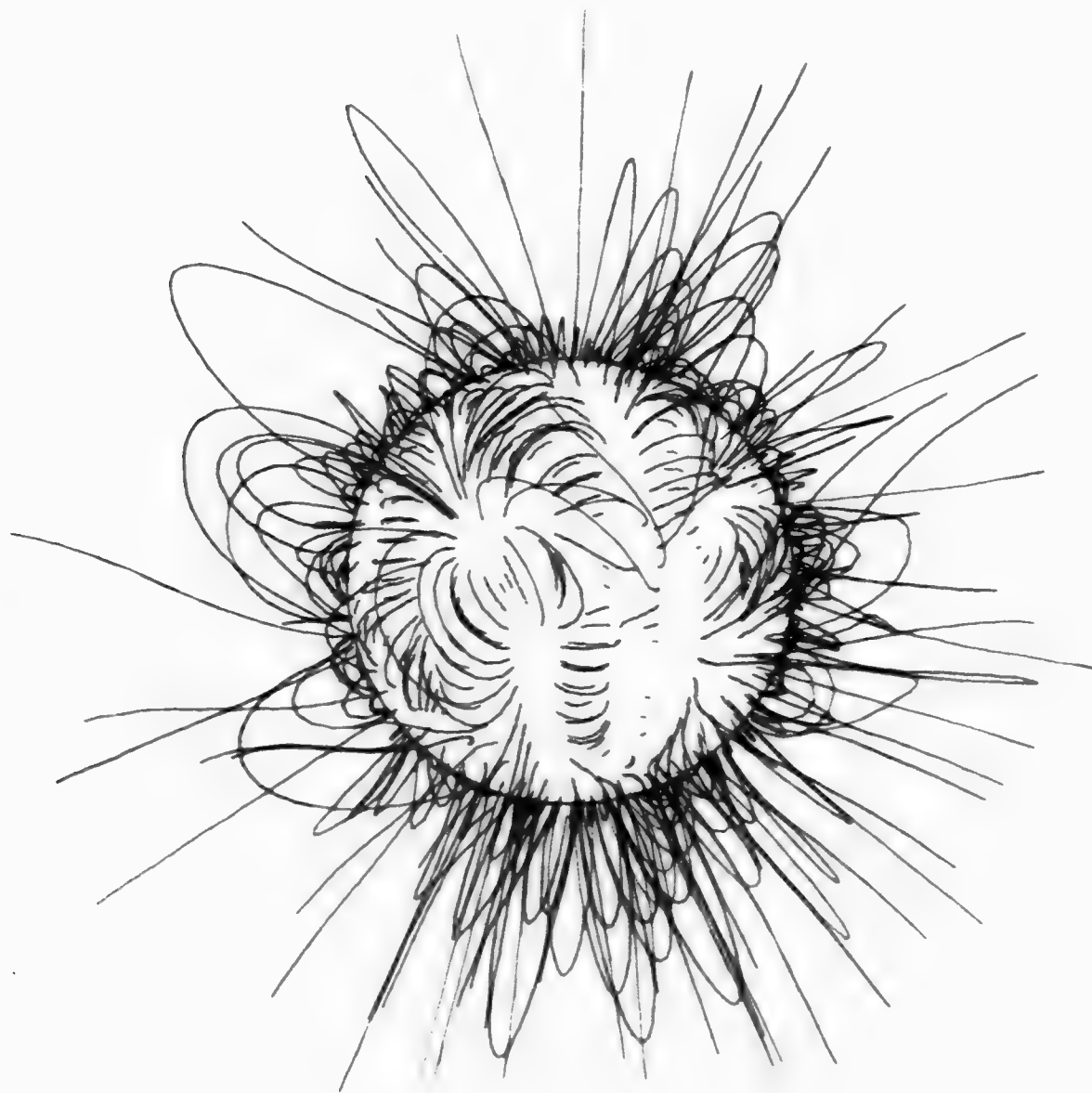
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 DATA WAVE 24 1535.00

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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



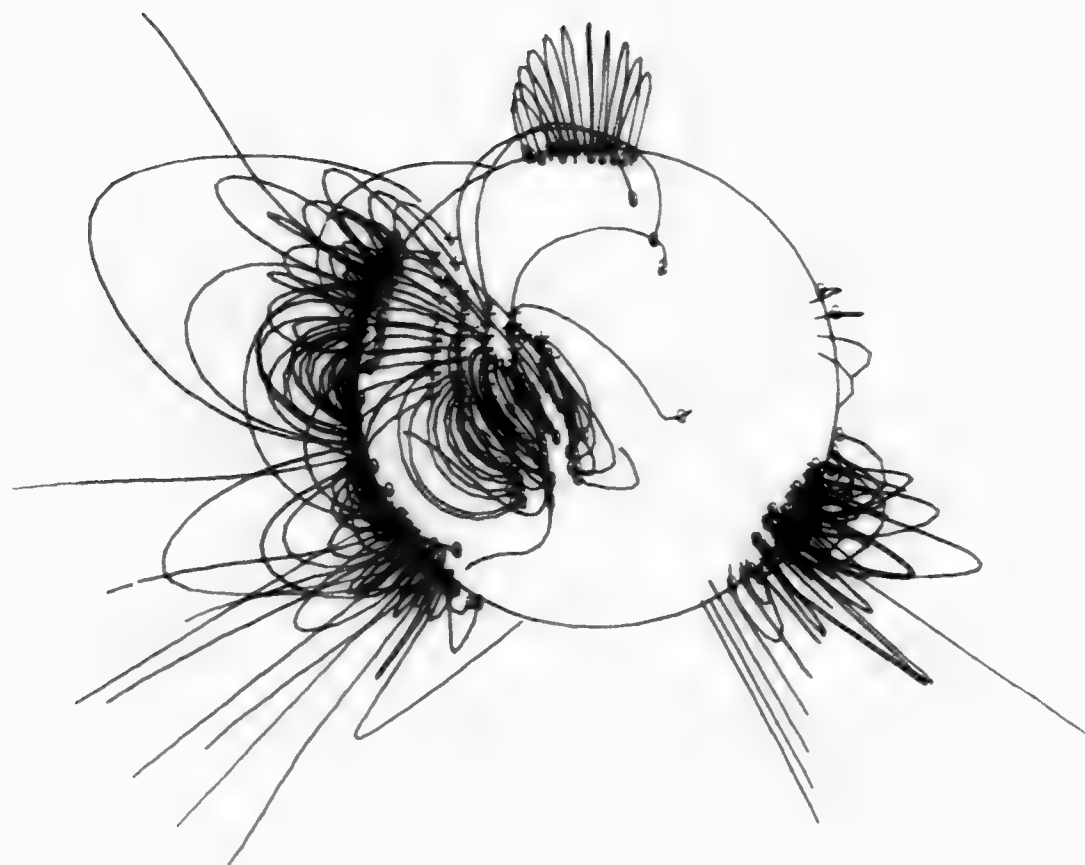
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORIES
HALE OBSERVATORIES
HALE OBSERVATORIES

HALE OBSERVATORIES
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HALE OBSERVATORIES

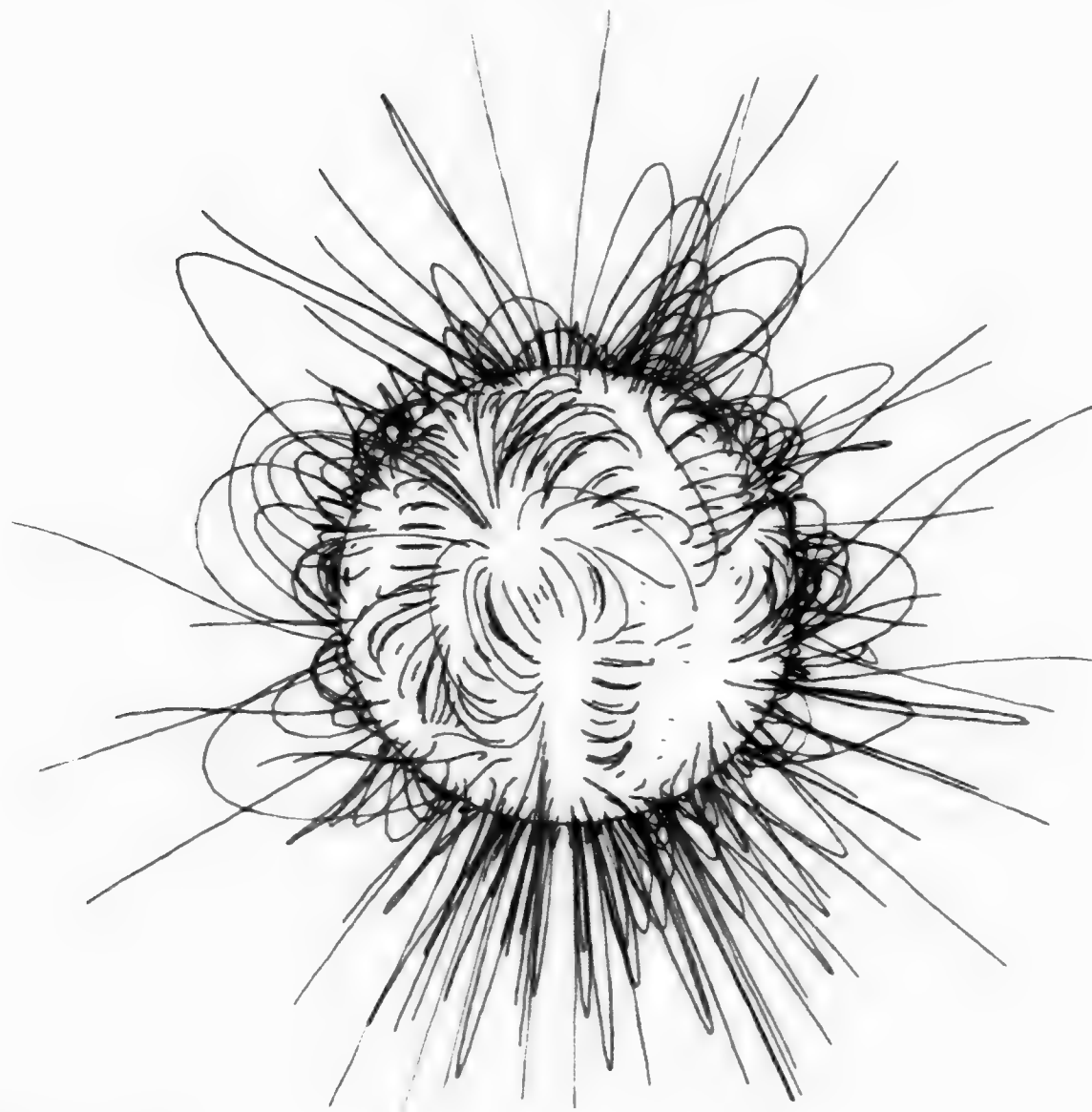
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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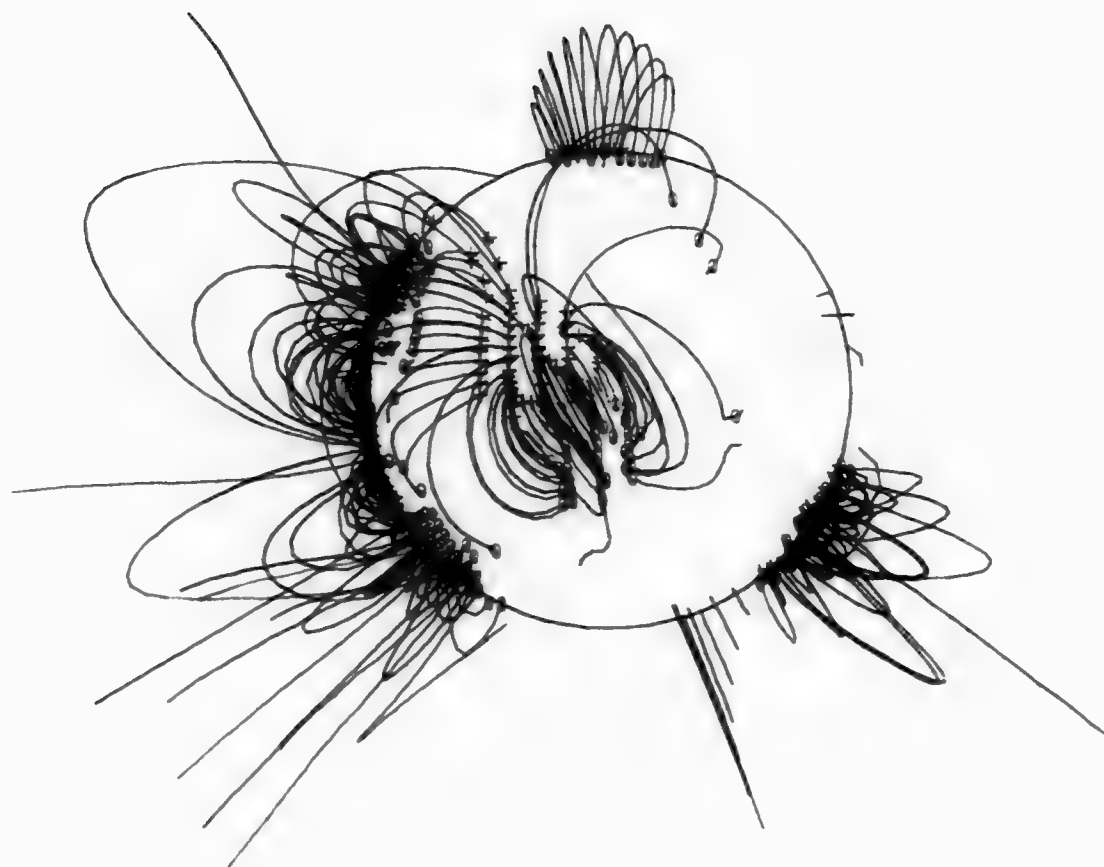
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

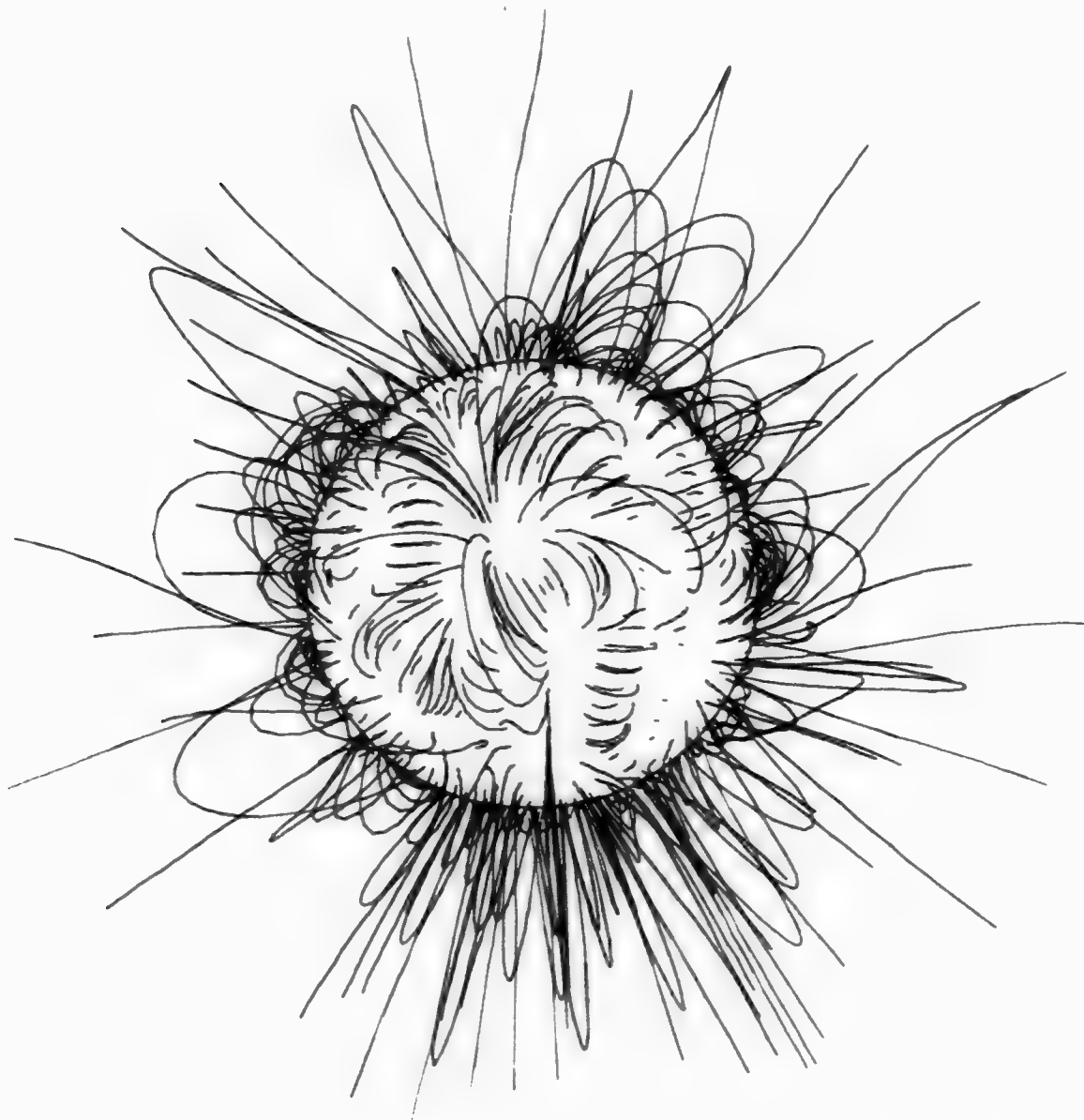
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
1954

HALE OBSERVATORY
HAWAII
1954

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

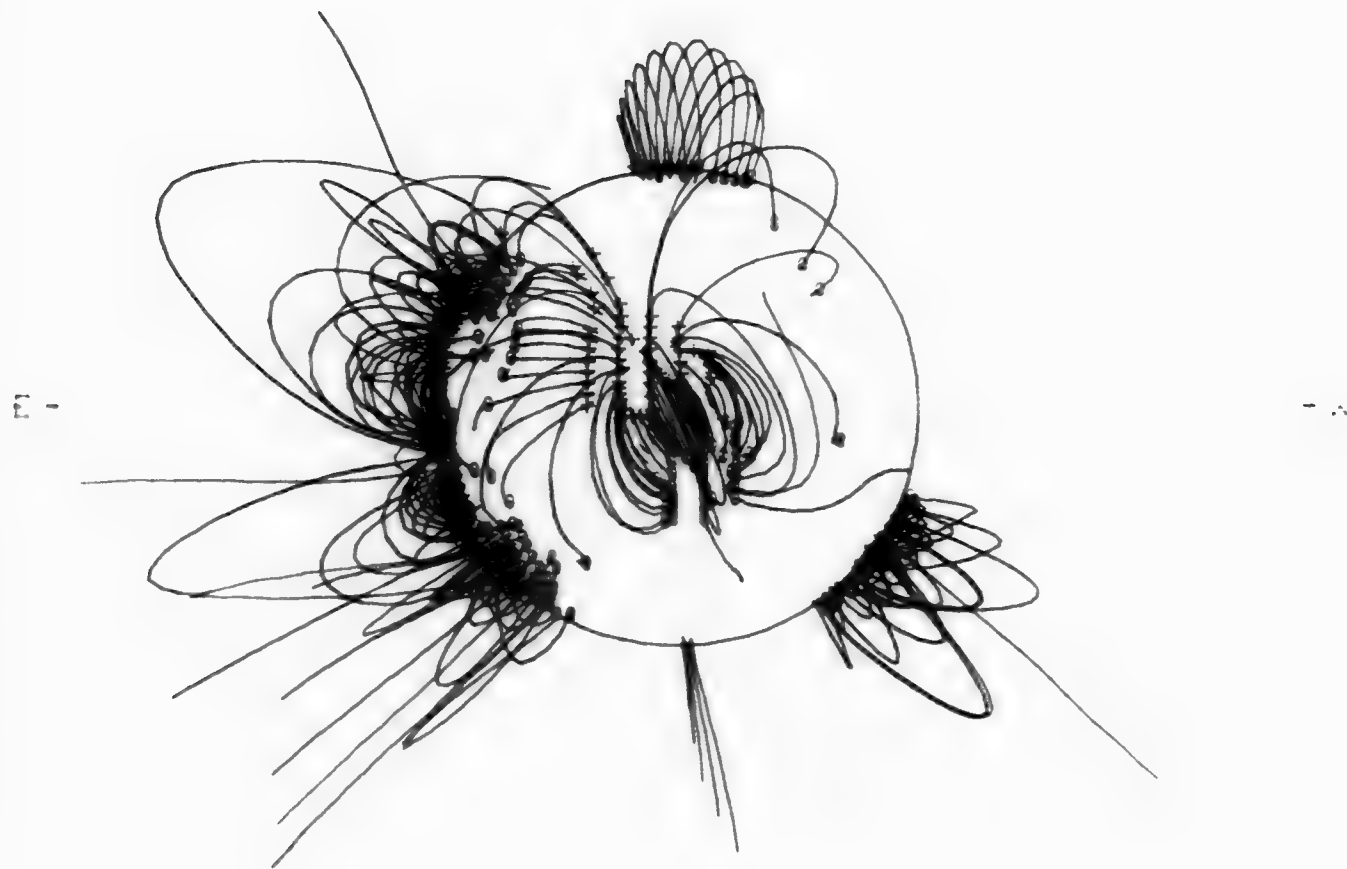


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HALE OBSERVATORY
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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

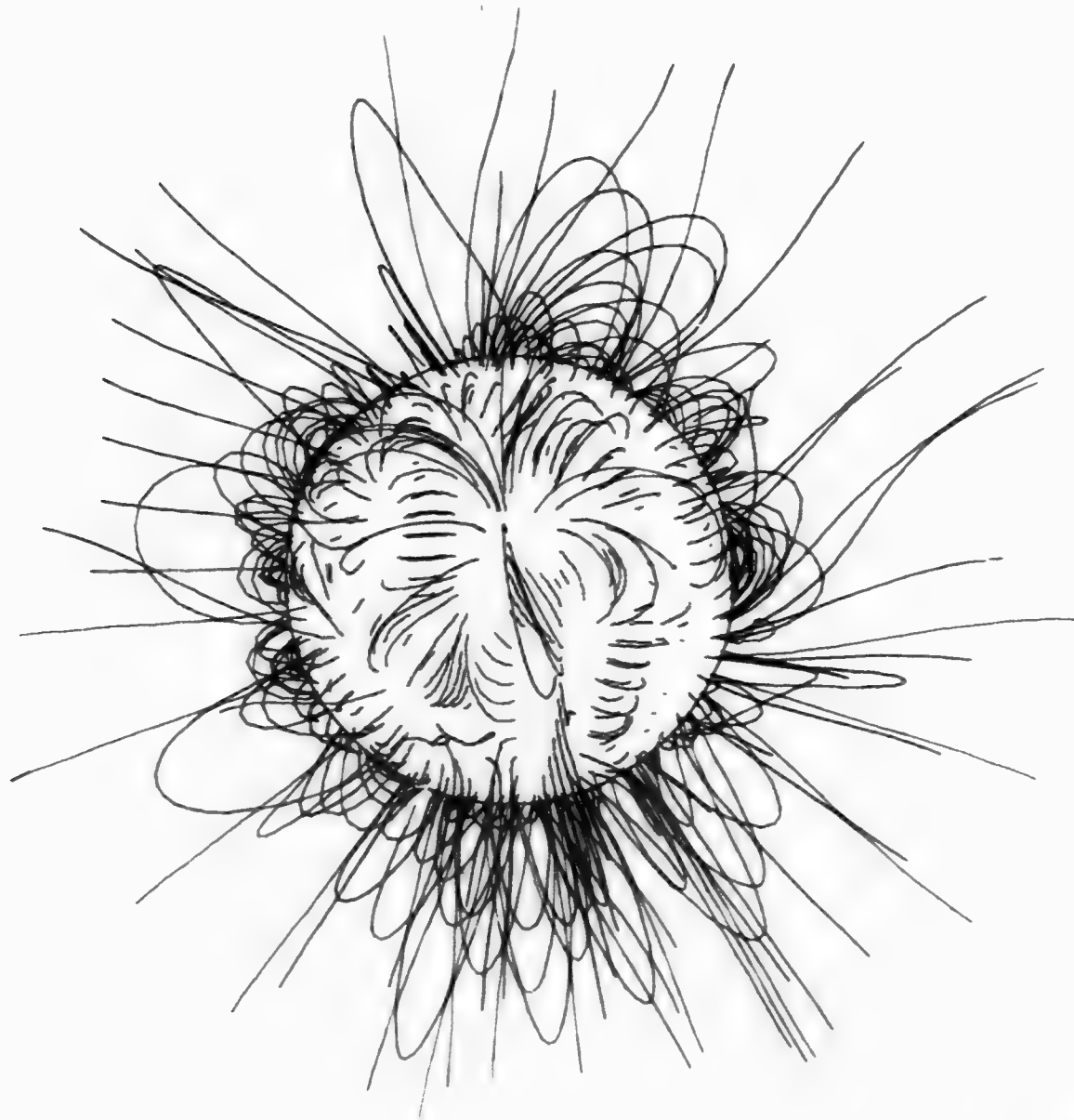


HALE OBSERVATORY
 1917-1918
 1919-1920

HALE OBSERVATORY
 1921-1922
 1923-1924

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -



HALE OBSERVATORY
PUEBLO STREET
SANTA FE, N.M. 87505...

HALE OBSERVATORY
PUEBLO STREET
SANTA FE, N.M. 87505...

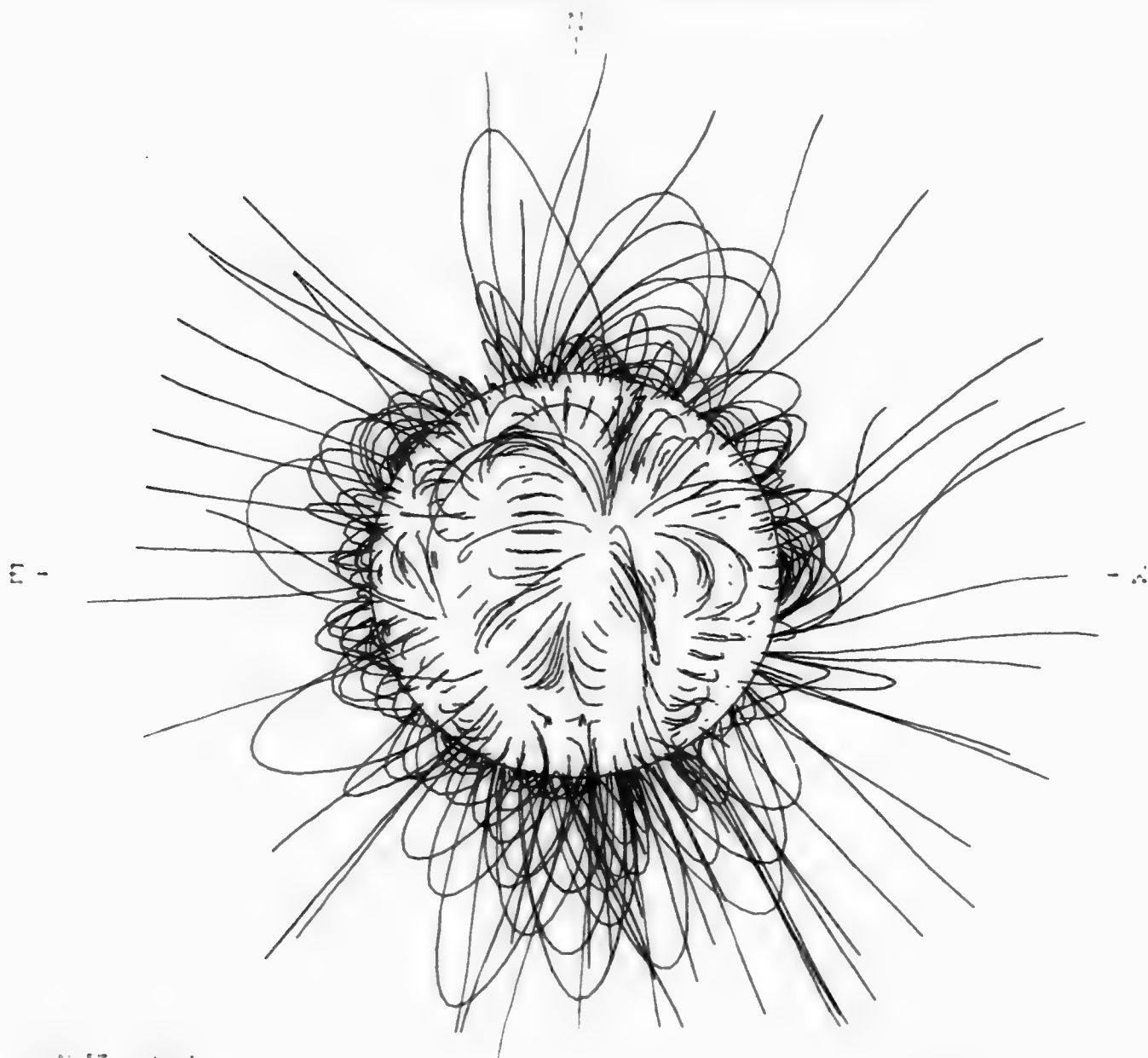
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE, 1911

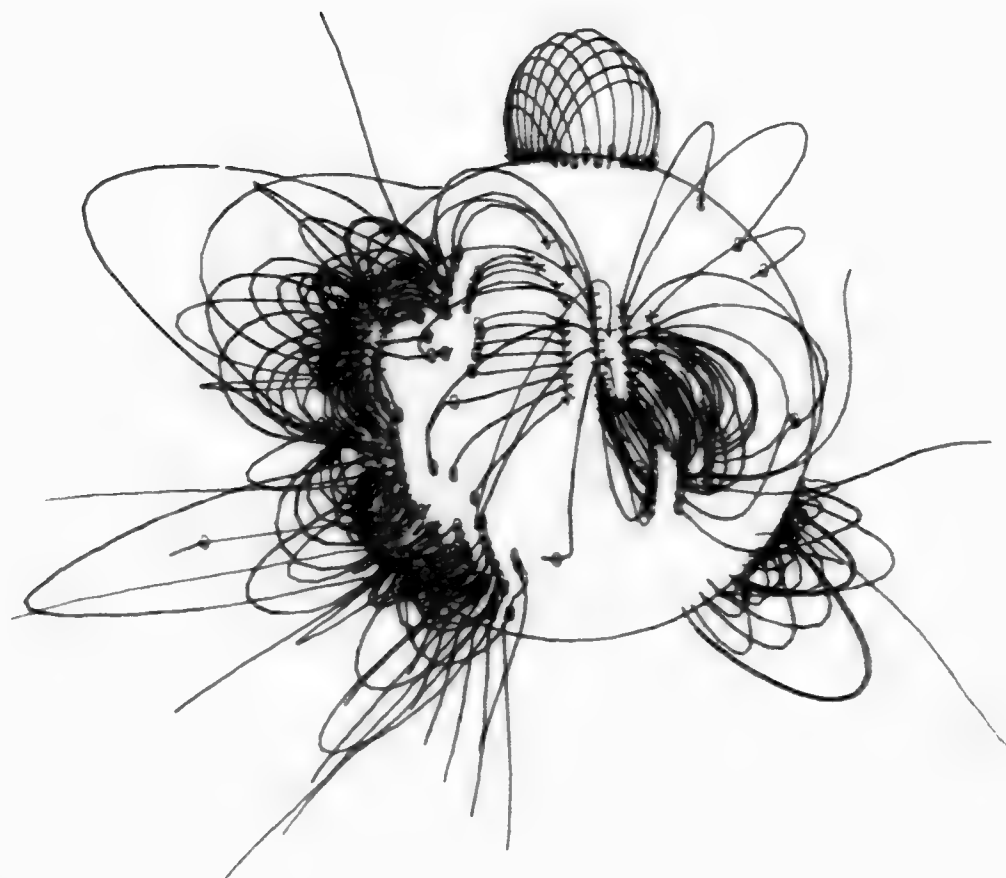
HALE, 1911

HALE, 1911

HALE, 1911

HALE, 1911

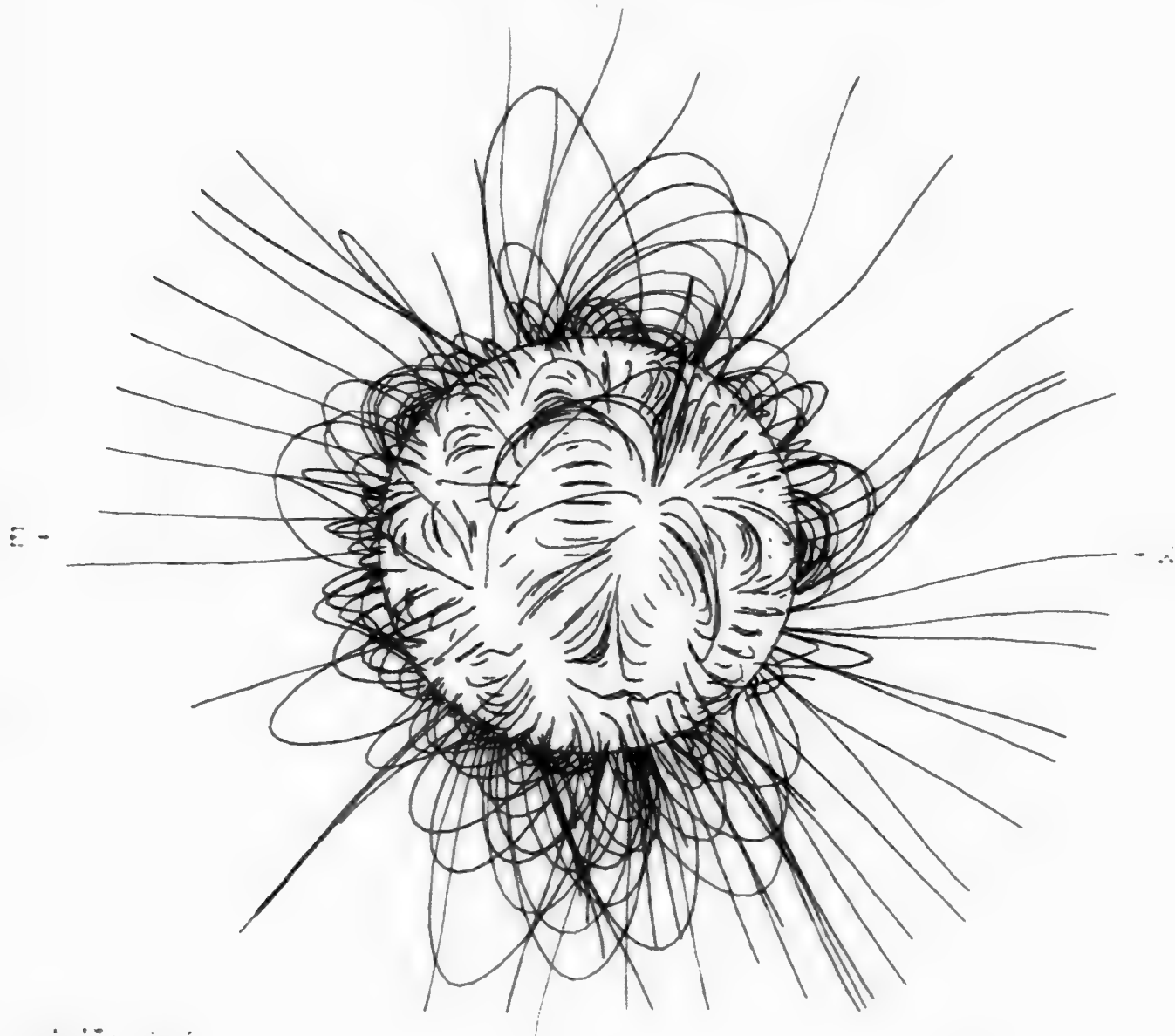
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PUEBLO, COLORADO
JANUARY 1954

HALE OBSERVATORY
PUEBLO, COLORADO
JANUARY 1954

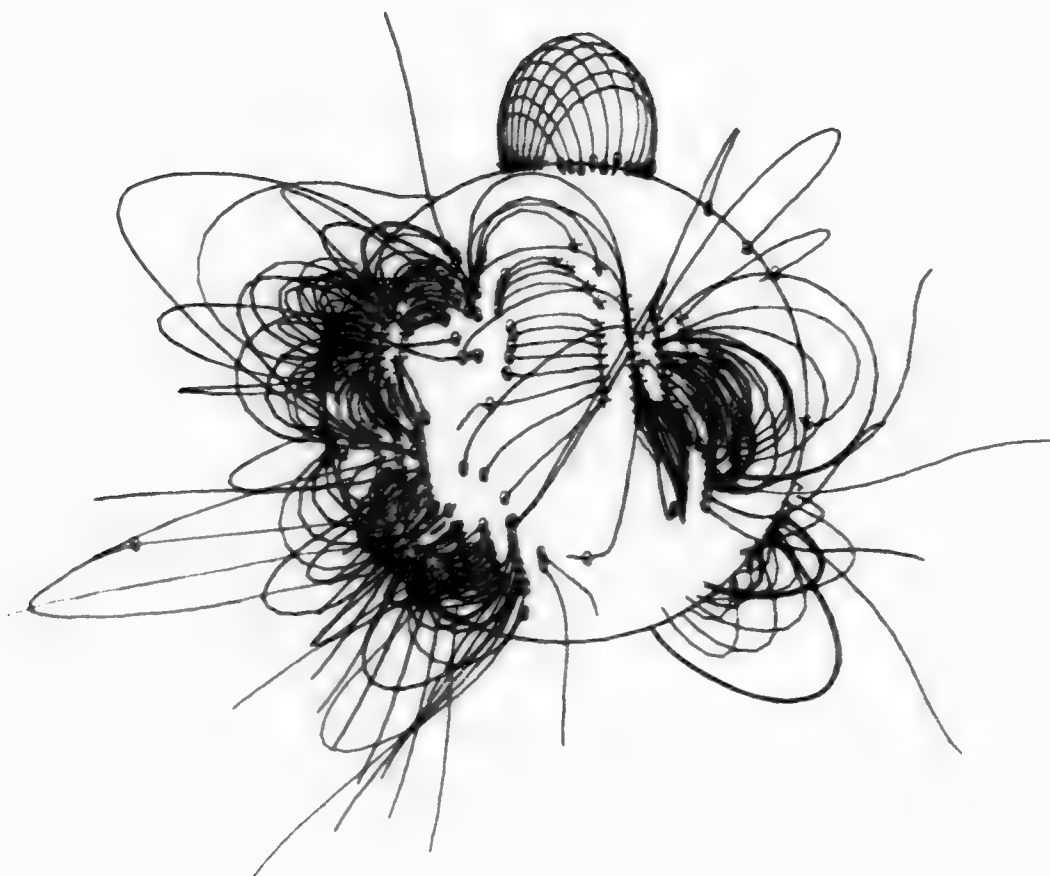
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



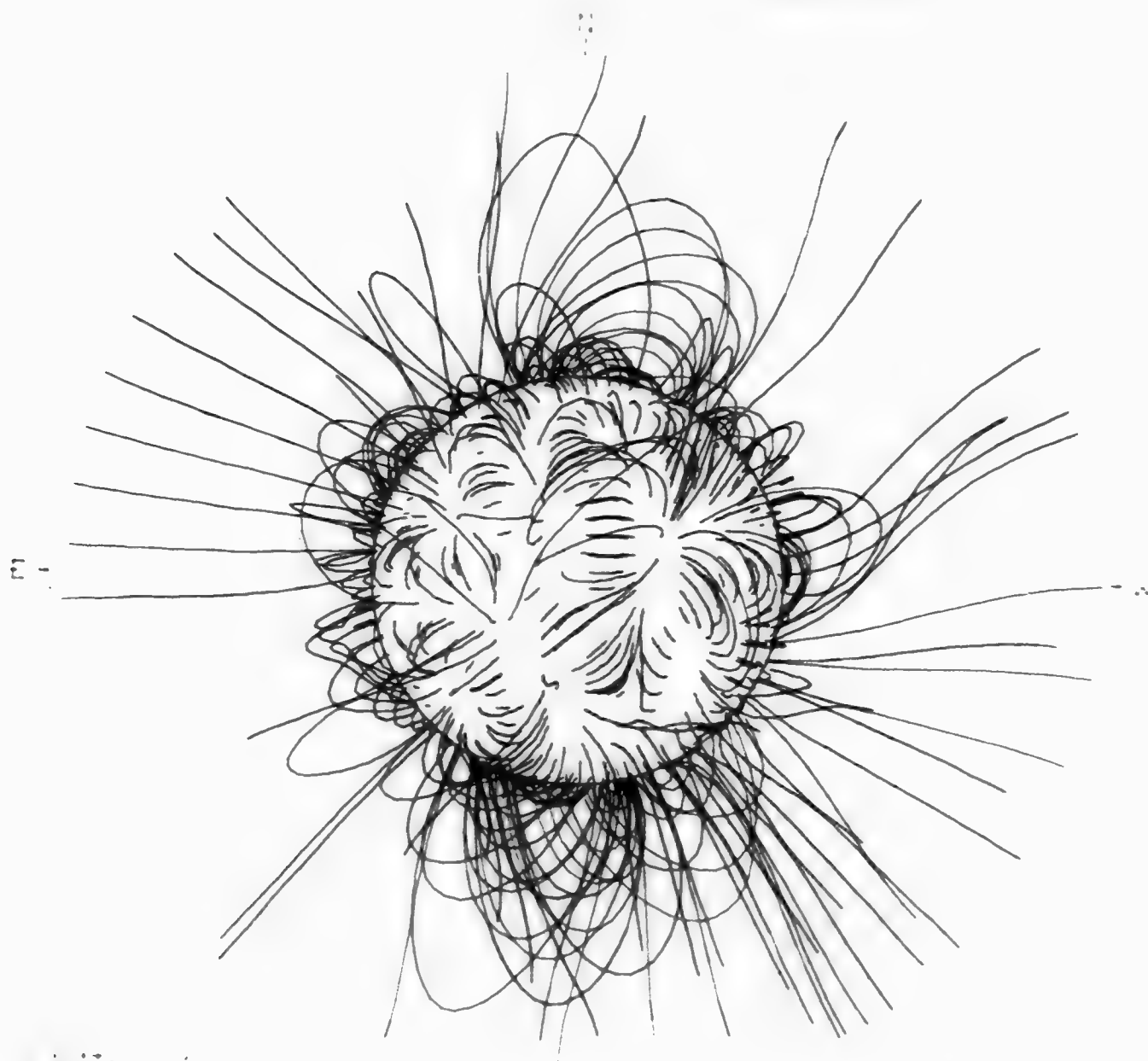
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



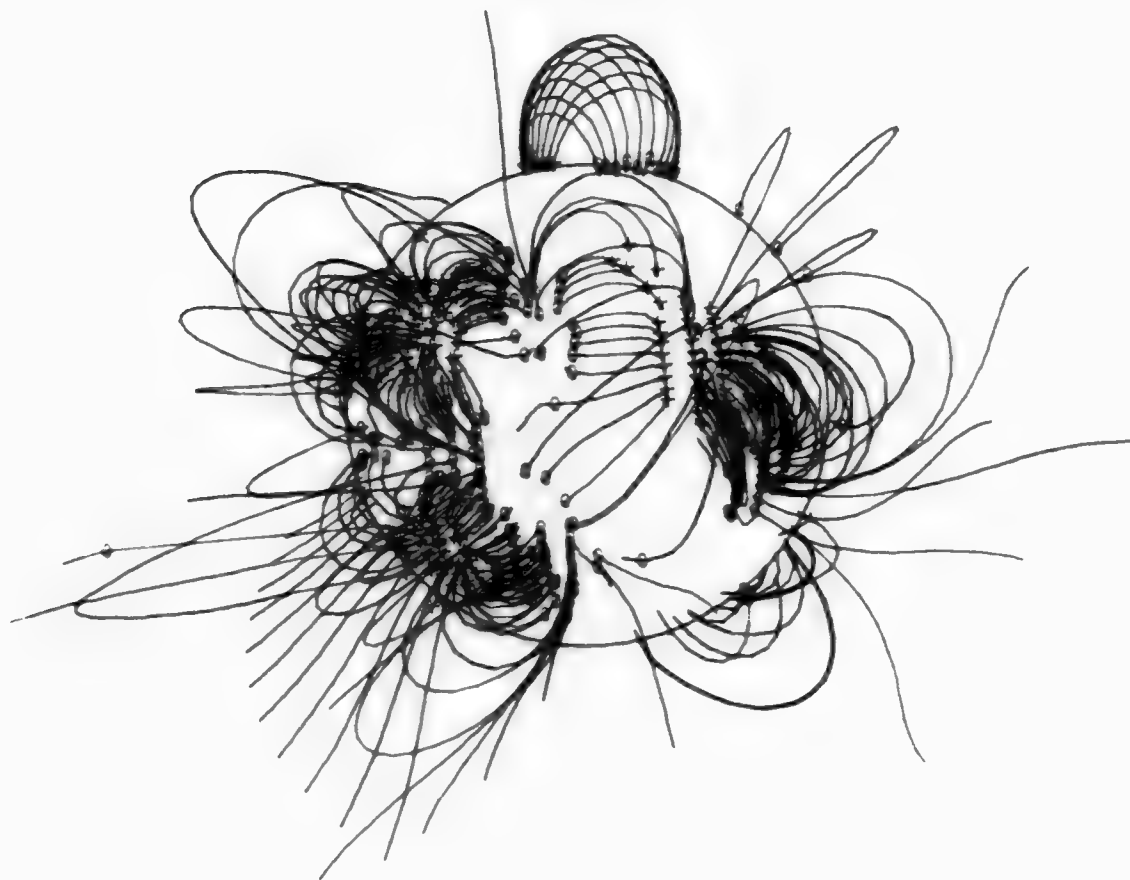
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 PUECO DIRECT
 DATA LINE IN 1970...

HALE OBSERVATORY
 PUECO DIRECT
 DATA LINE IN 1970...

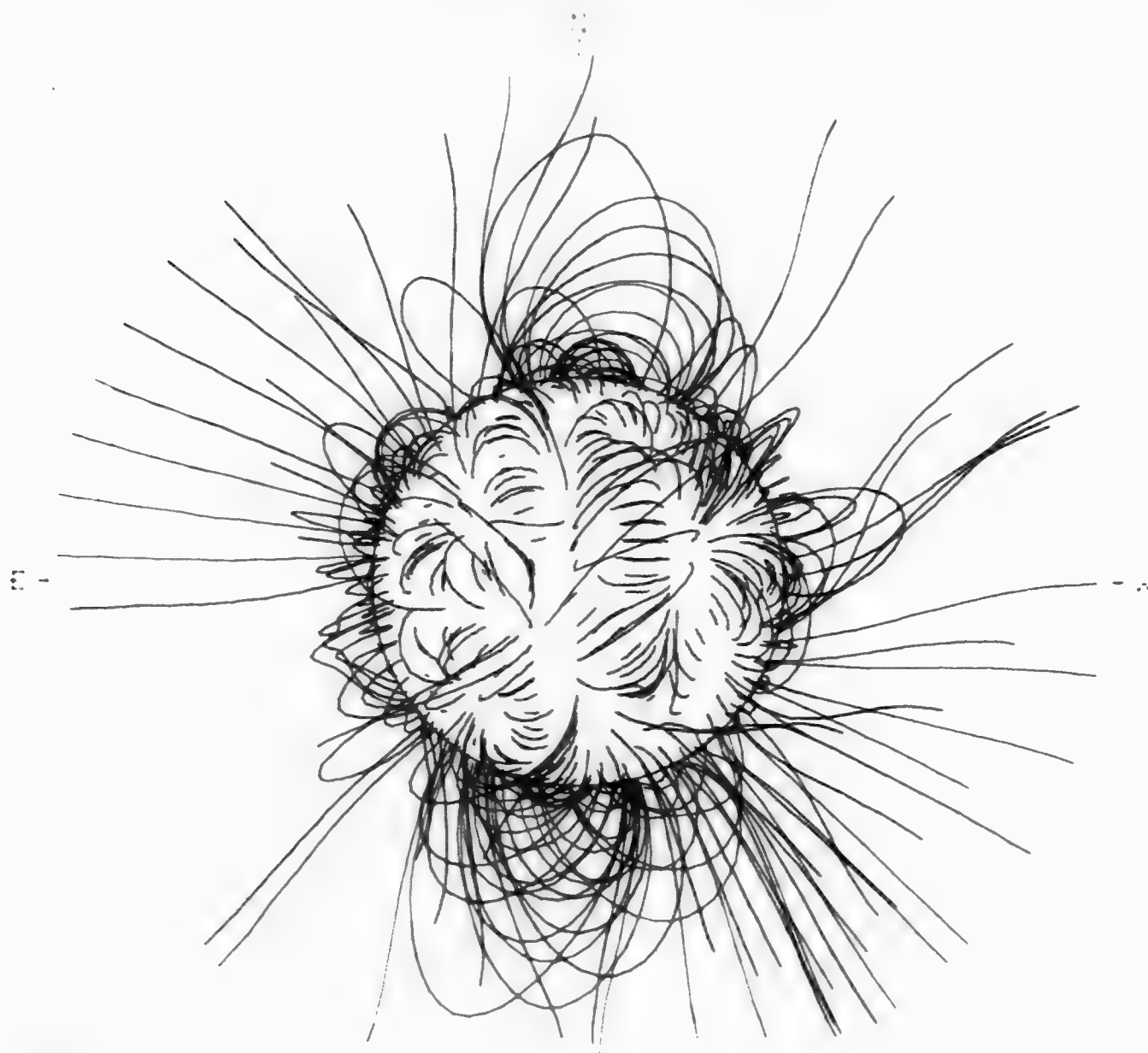
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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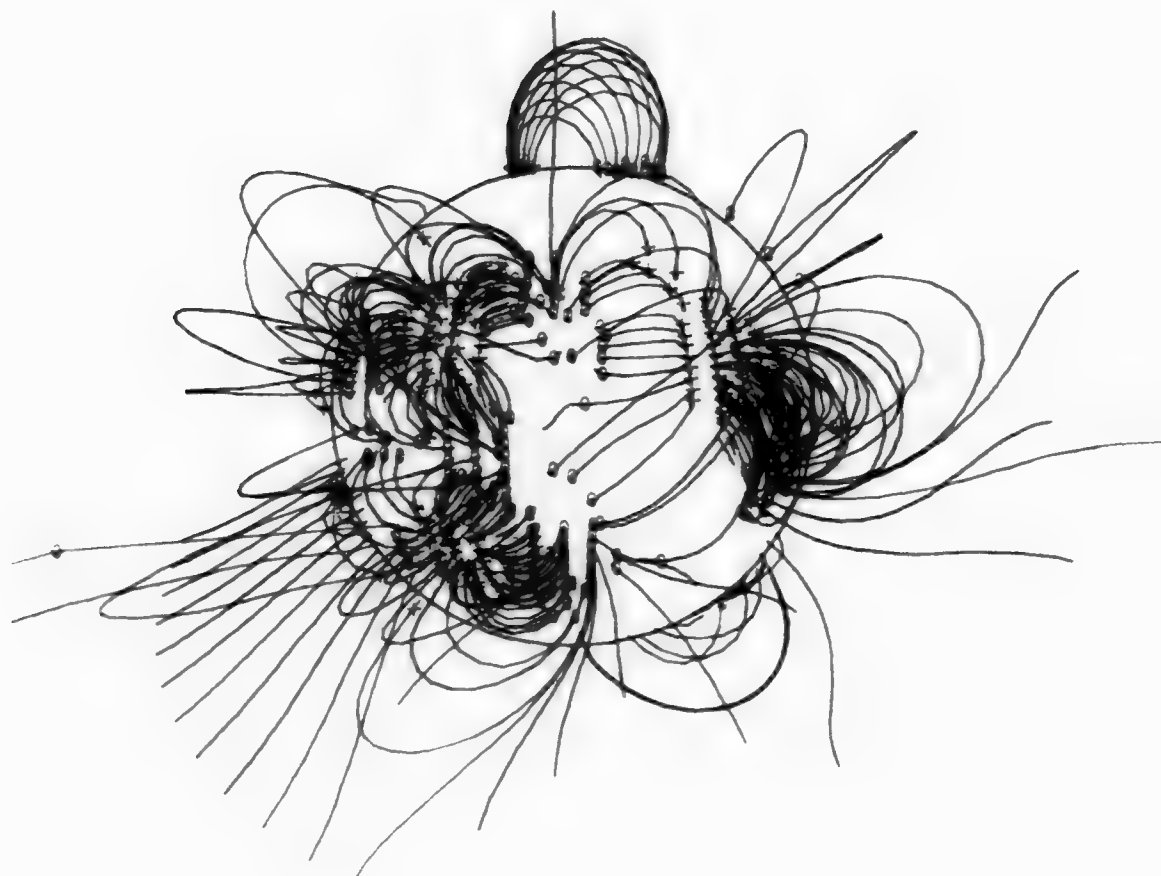
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



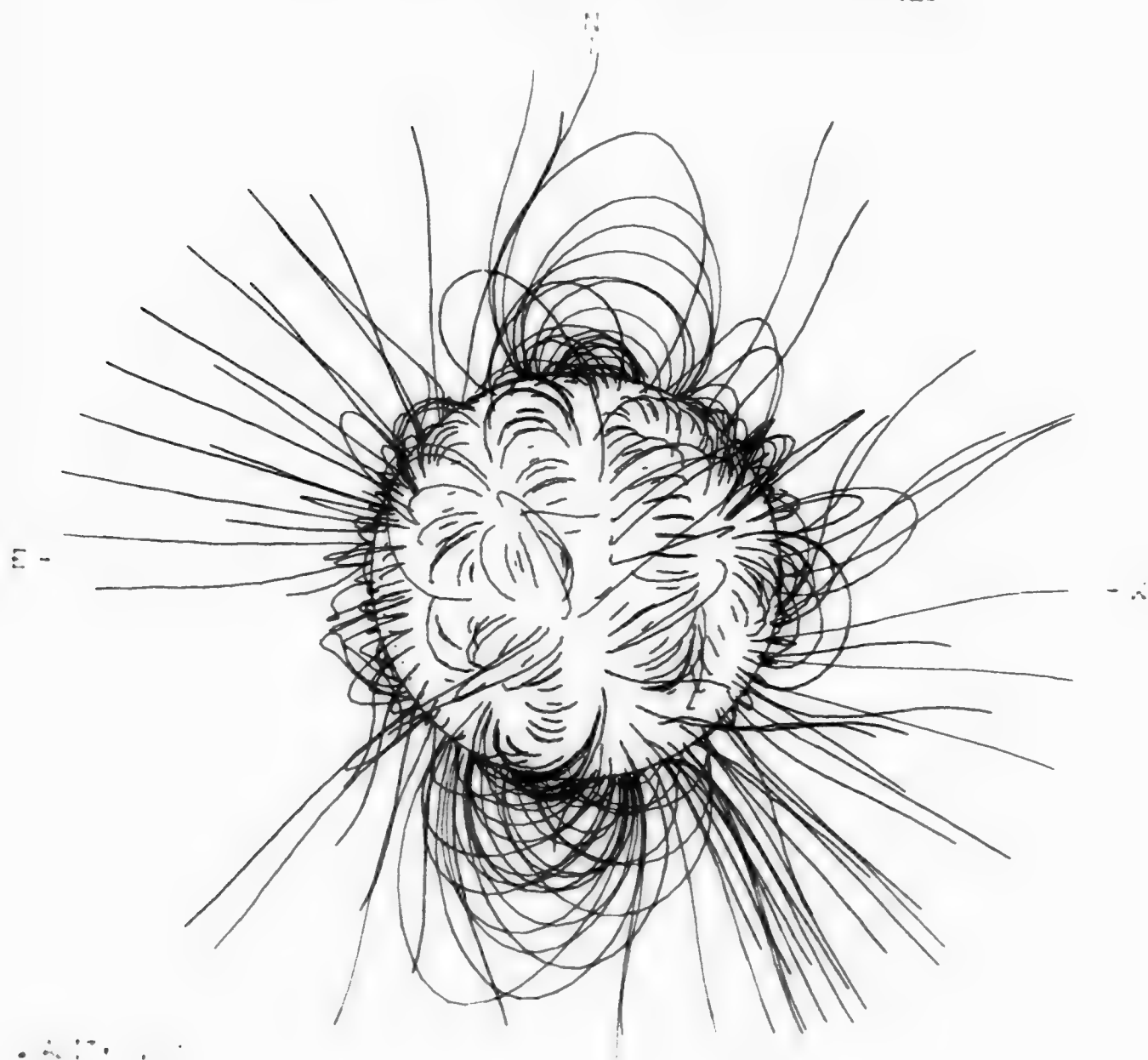
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 ALPHA 100
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ALPHA 100
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



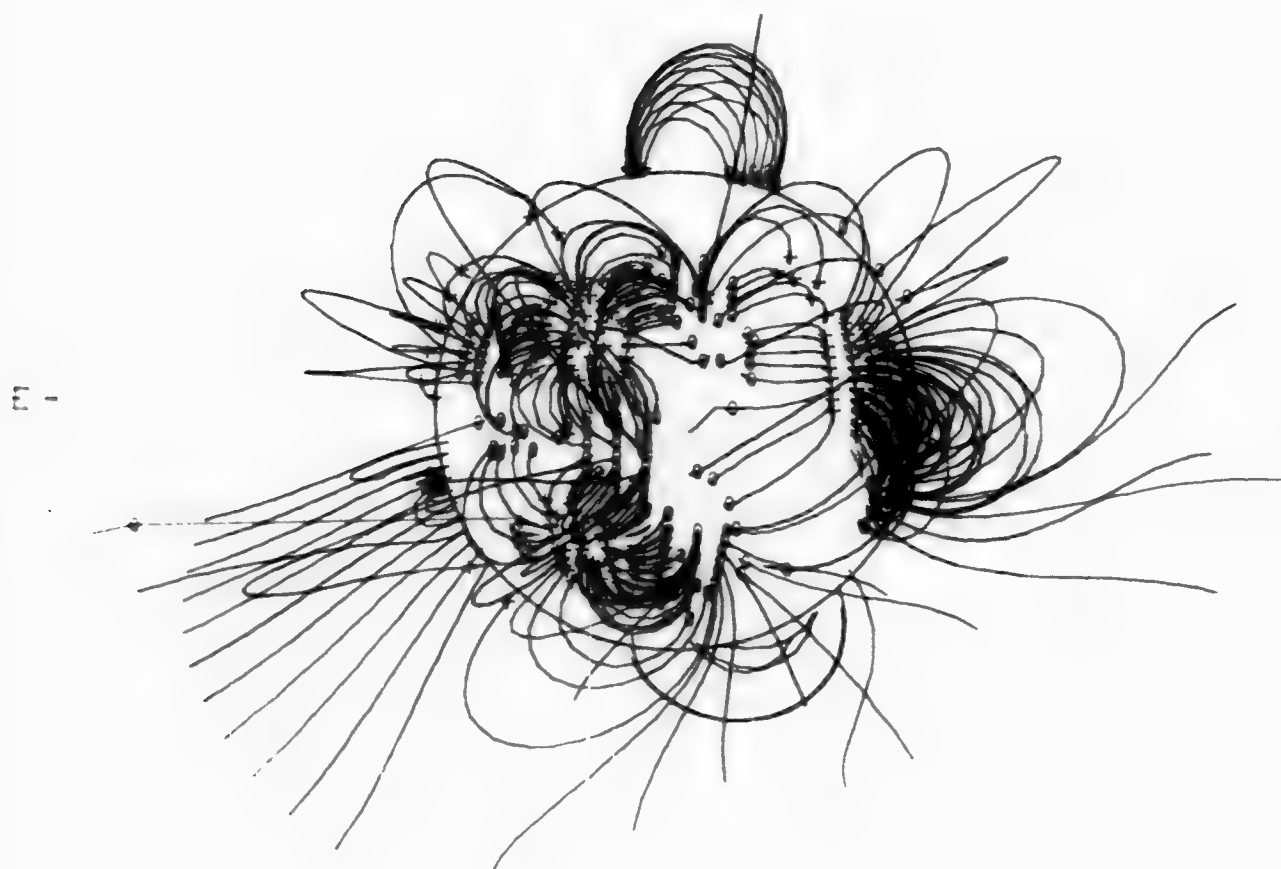
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



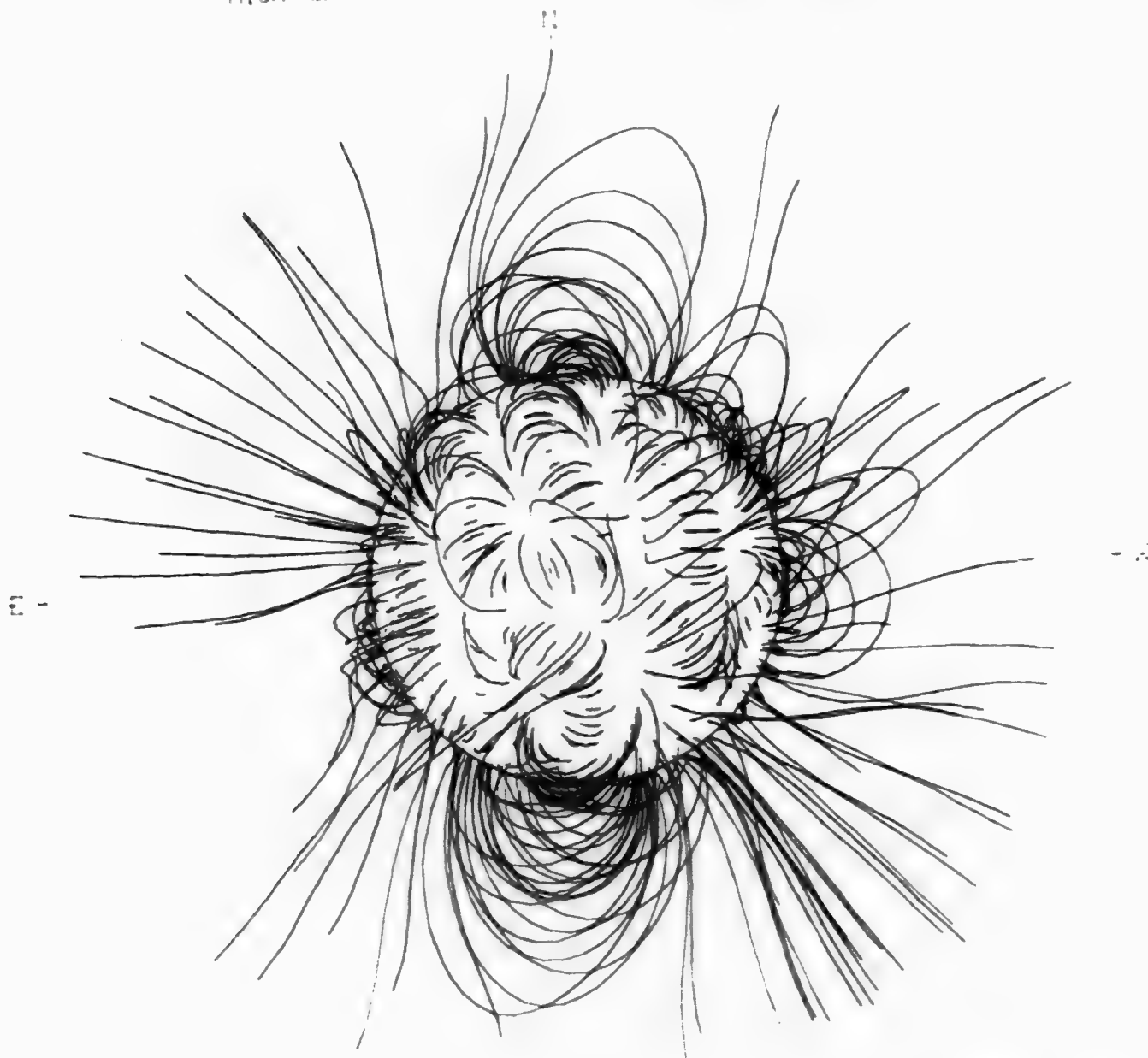
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



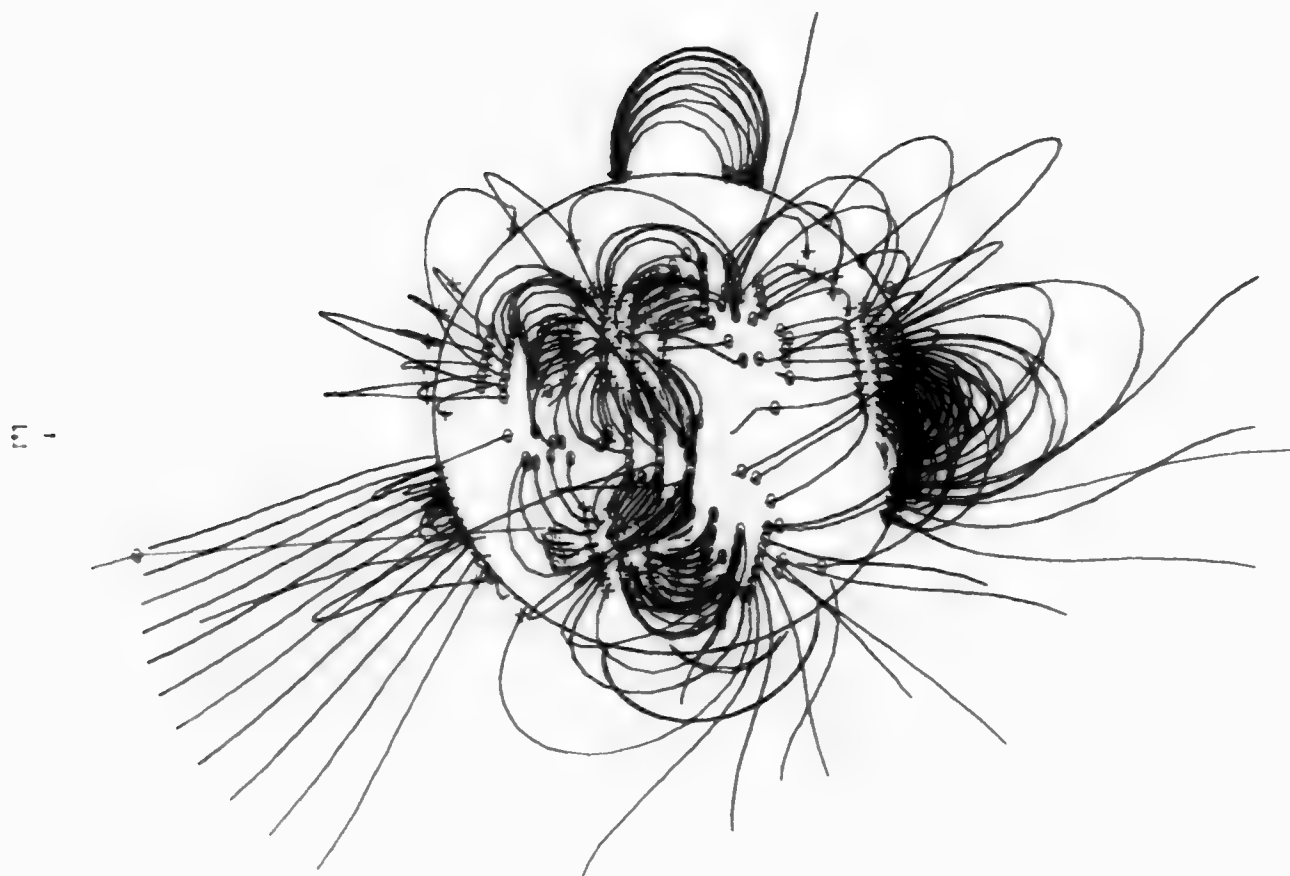
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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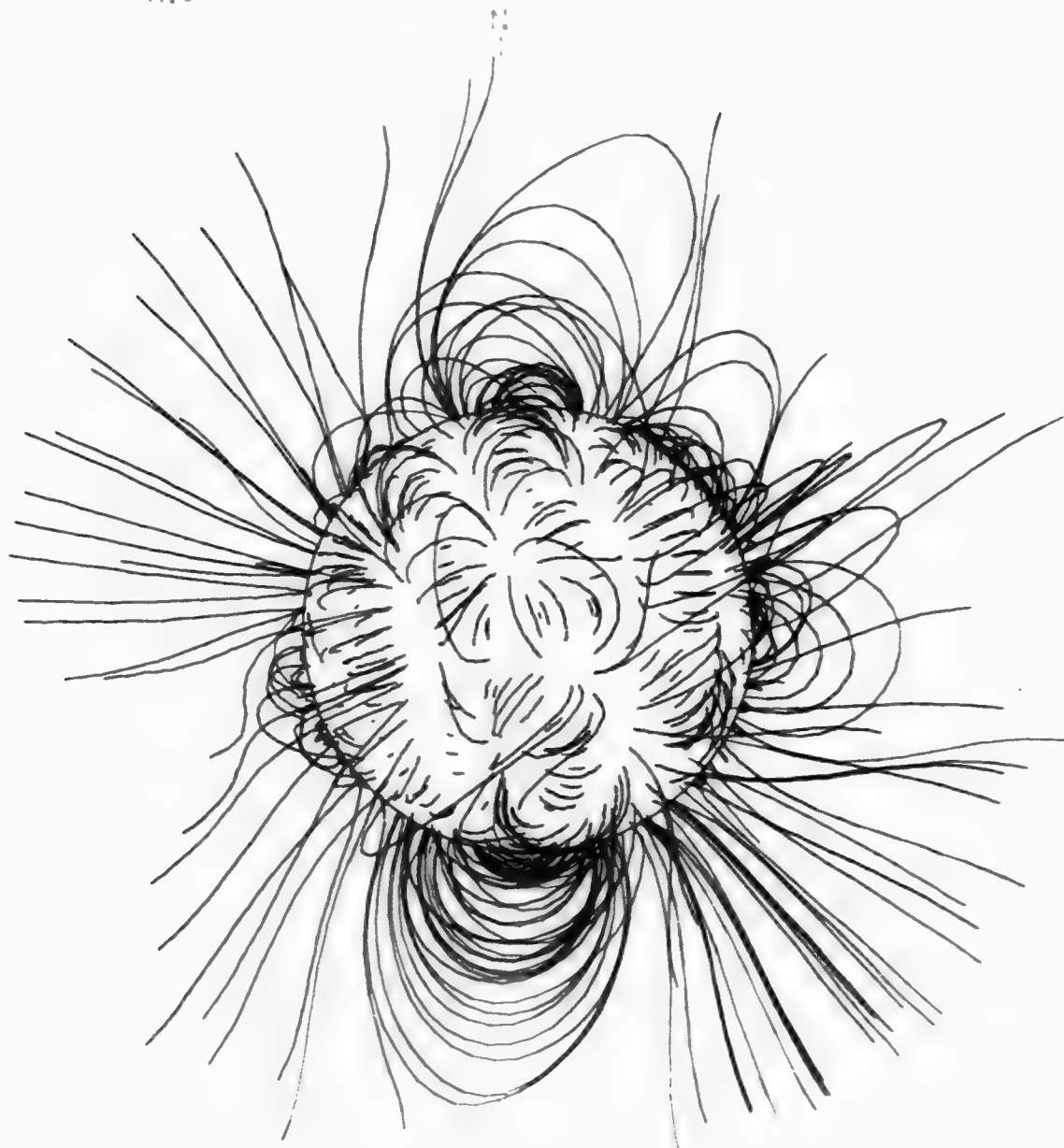
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
PAGES 1-10
DATA AND... 1991...

HALE OBSERVATORY
PAGES 1-10
DATA AND... 1991...

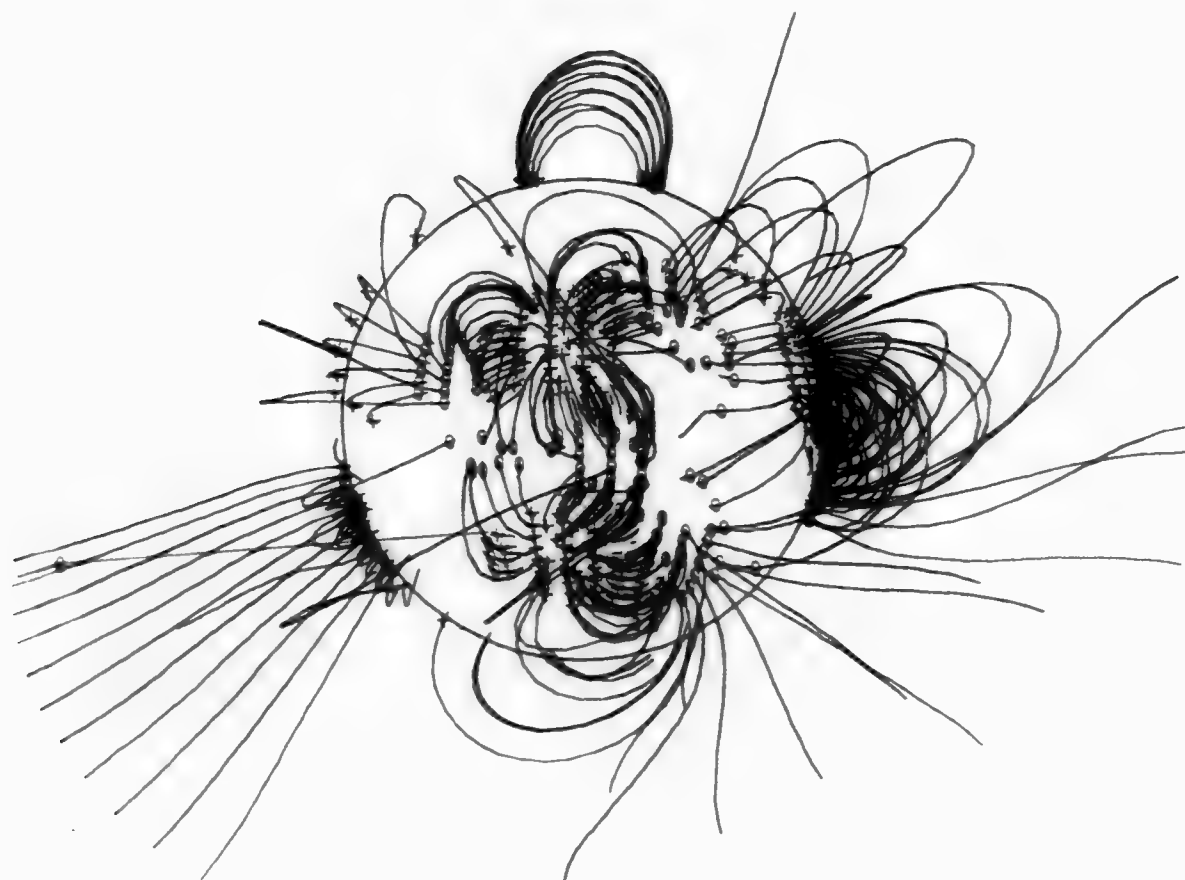
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HAWAII
1950-1951

HALE OBSERVATORY
HAWAII
1950-1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
HALE OBSERVATORY
HALE OBSERVATORY

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HALE OBSERVATORY

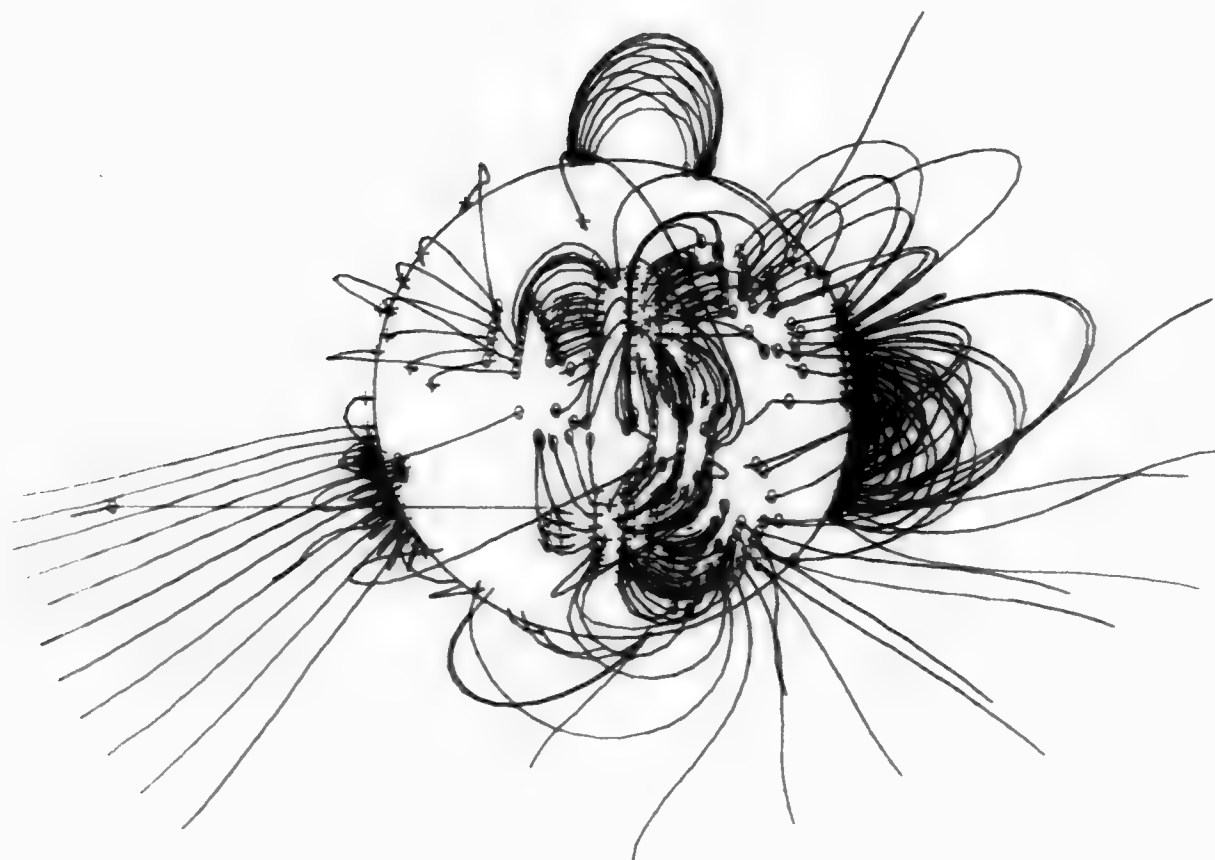
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

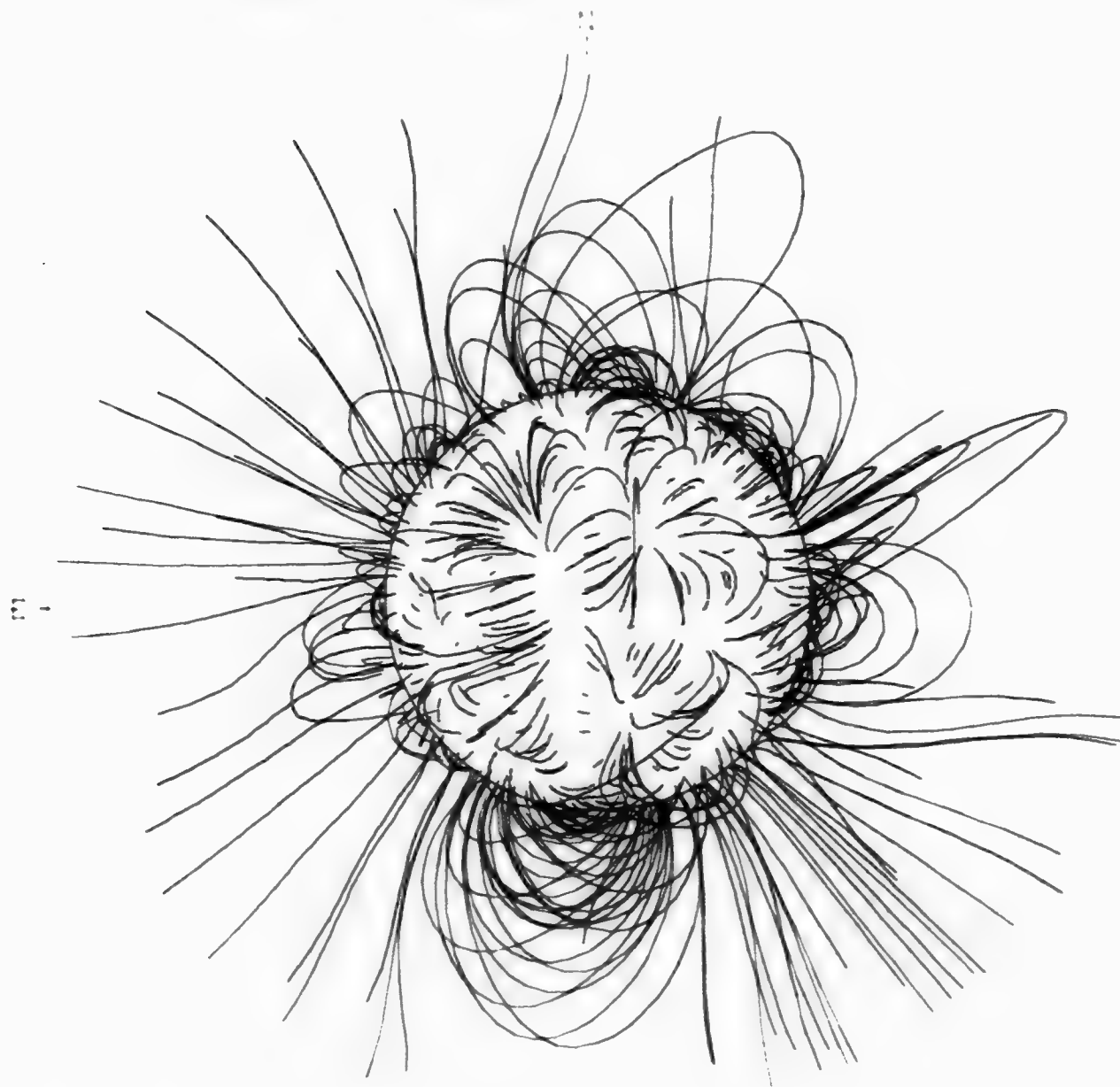
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

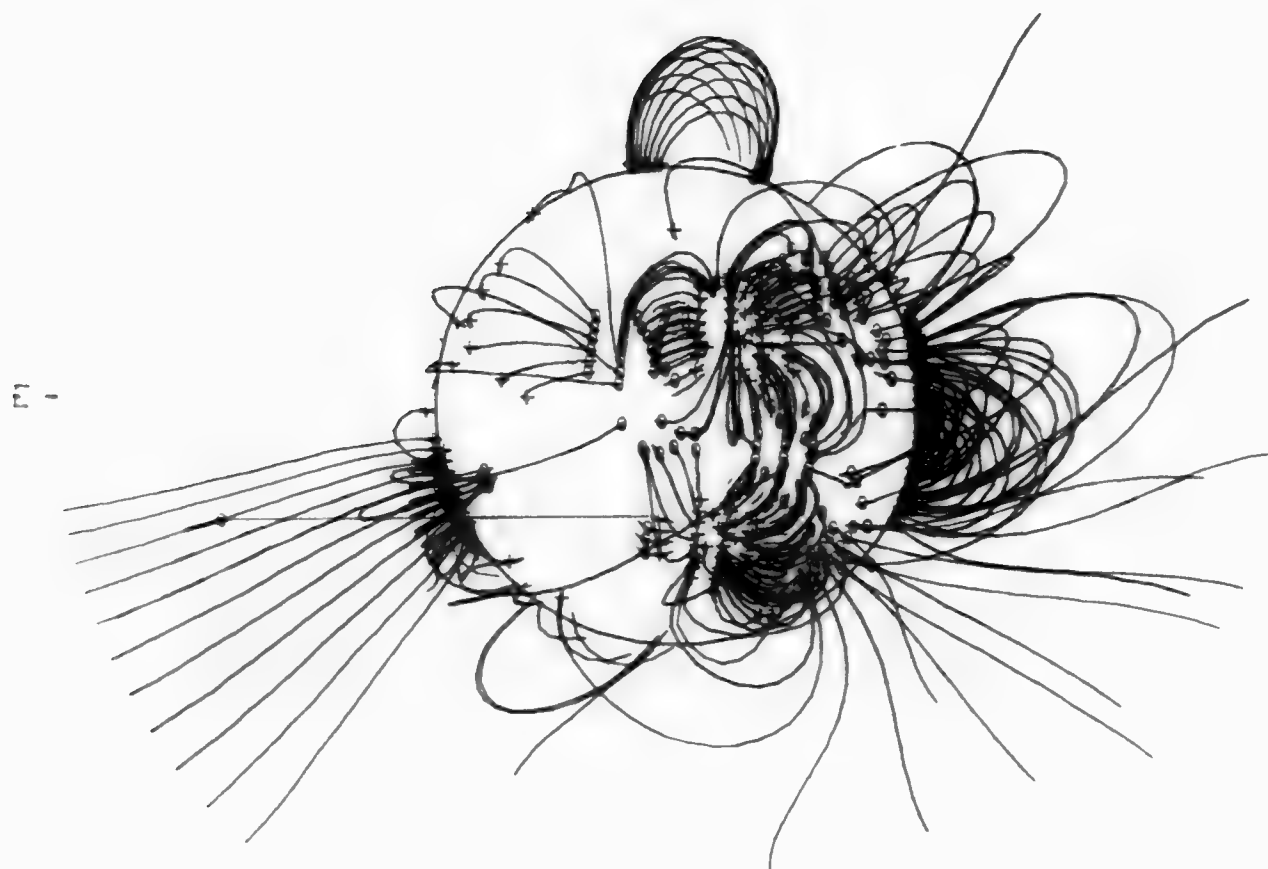


HALE OBSERVATORY
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HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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HALE OBSERVATORY
 10,000 FEET
 10,000 FEET

HALE OBSERVATORY
 10,000 FEET
 10,000 FEET

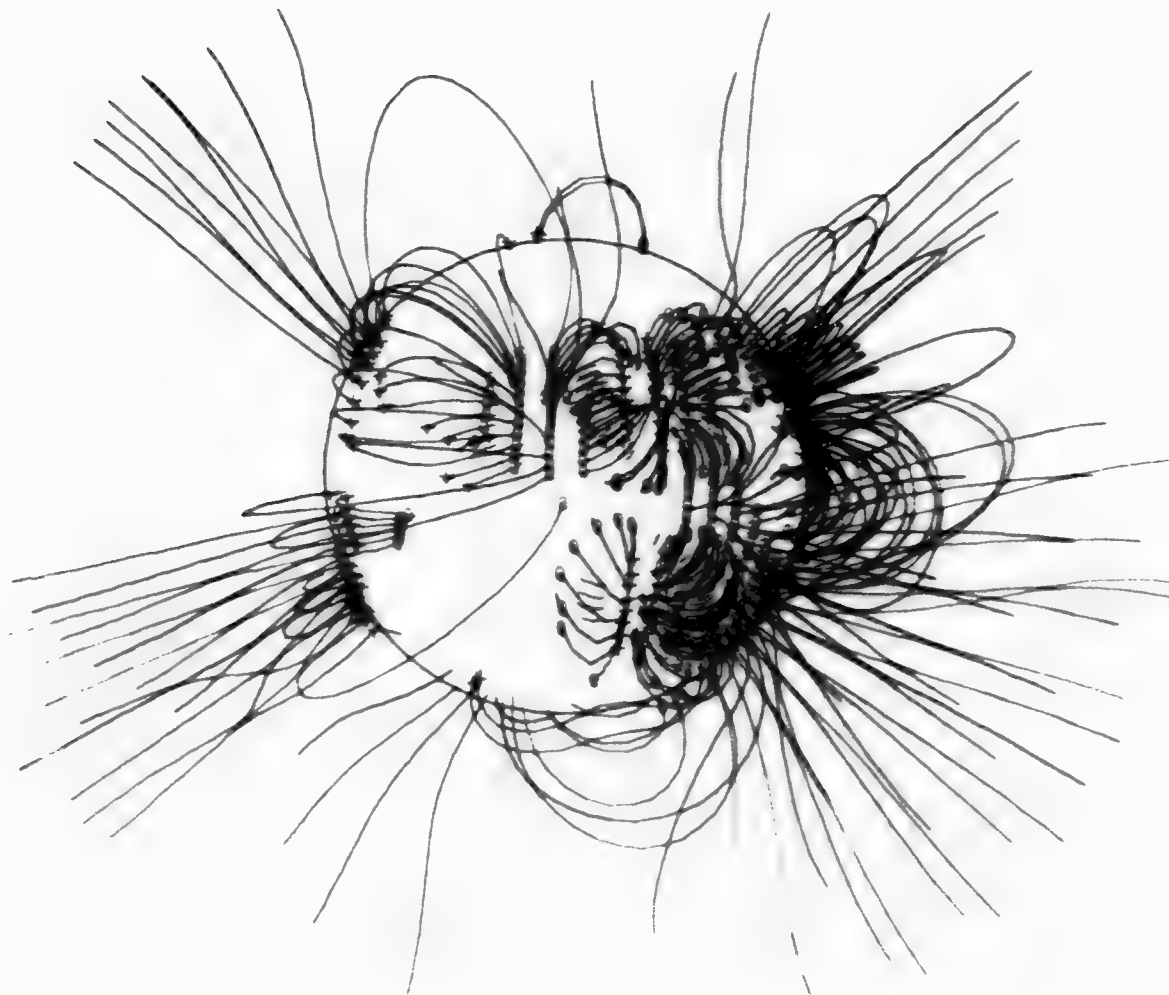
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

HALE OBSERVATORY
MOUNT WILSON
CALIFORNIA

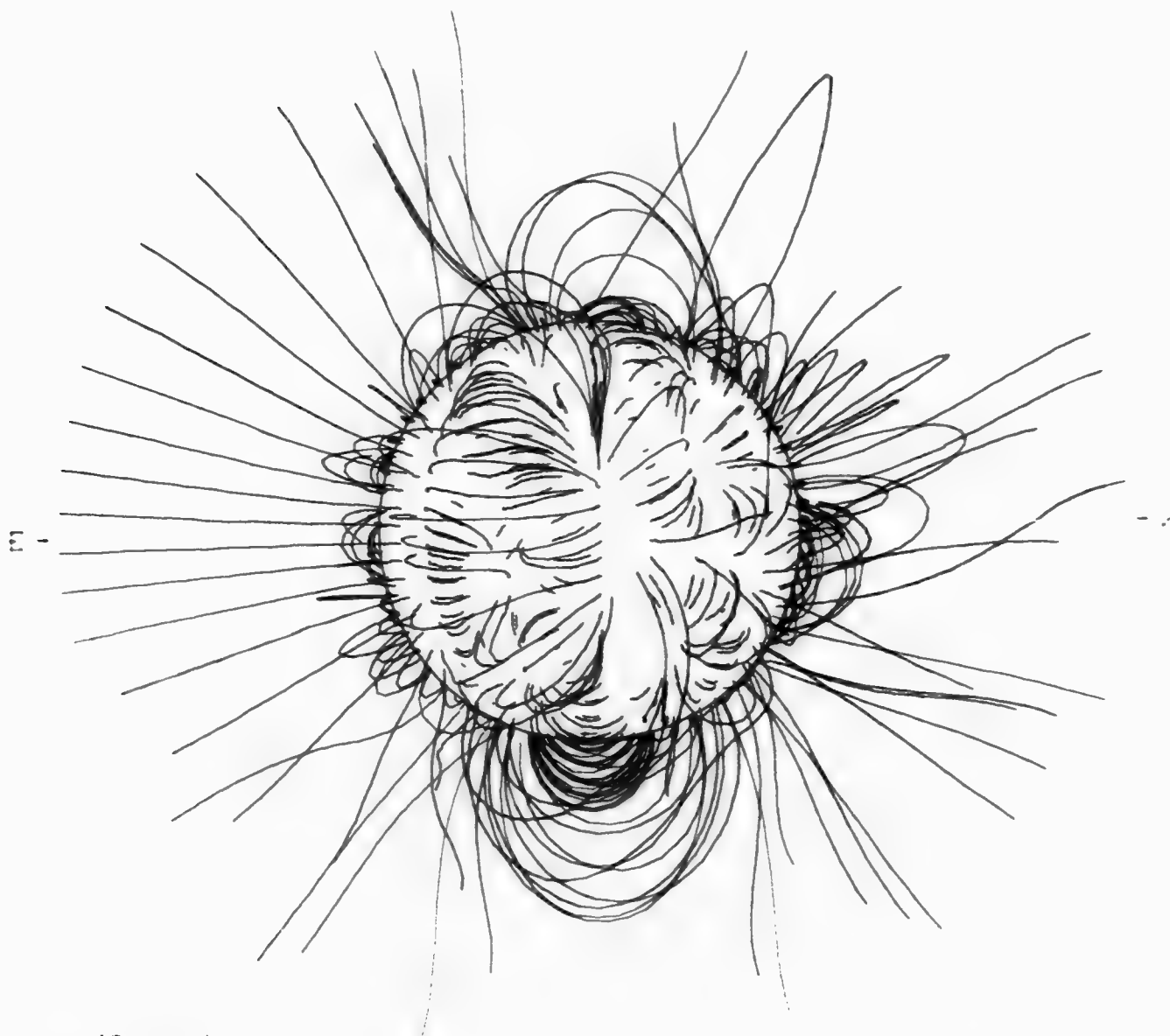
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HALE OBSERVATORY

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HALE OBSERVATORY

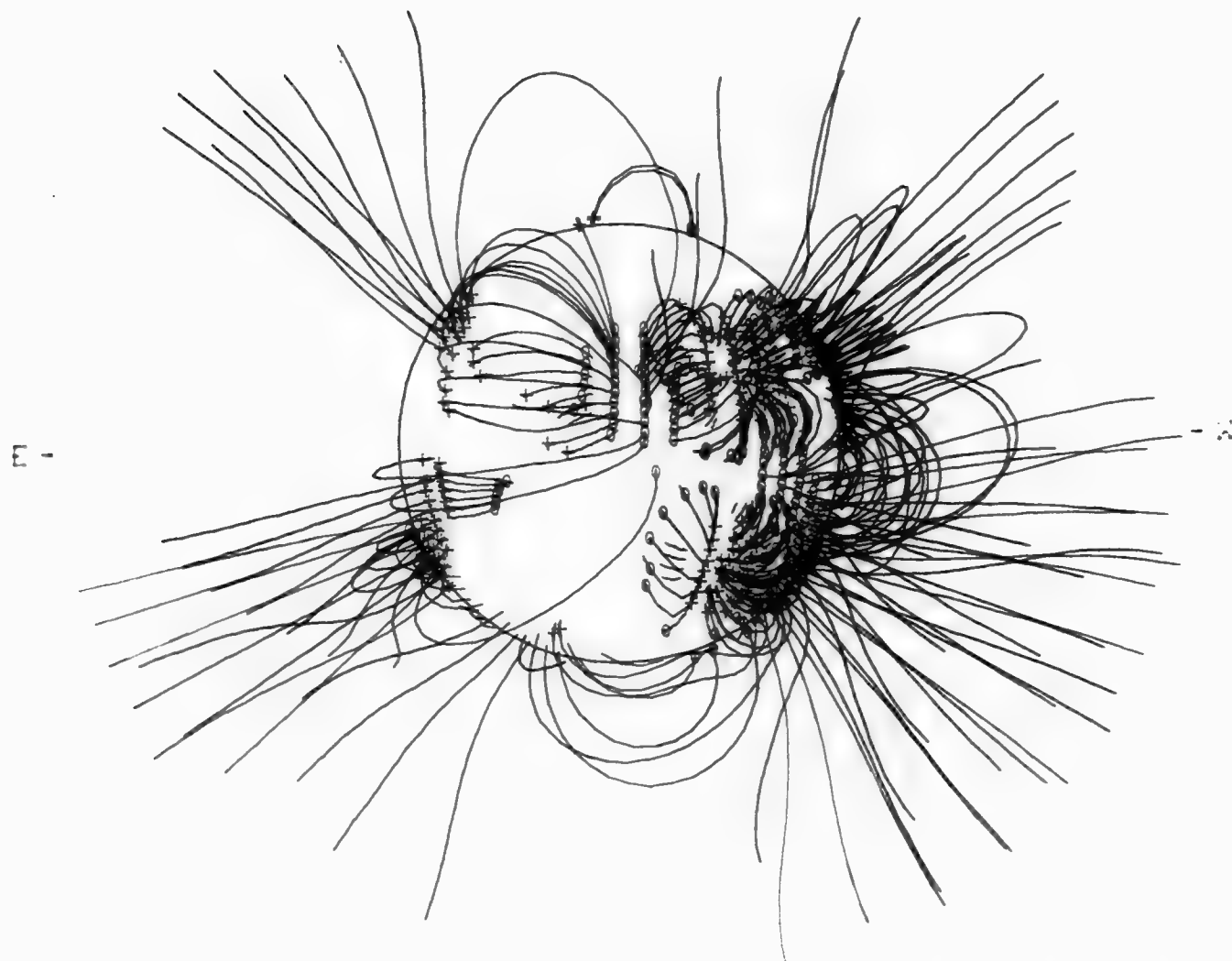
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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 HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

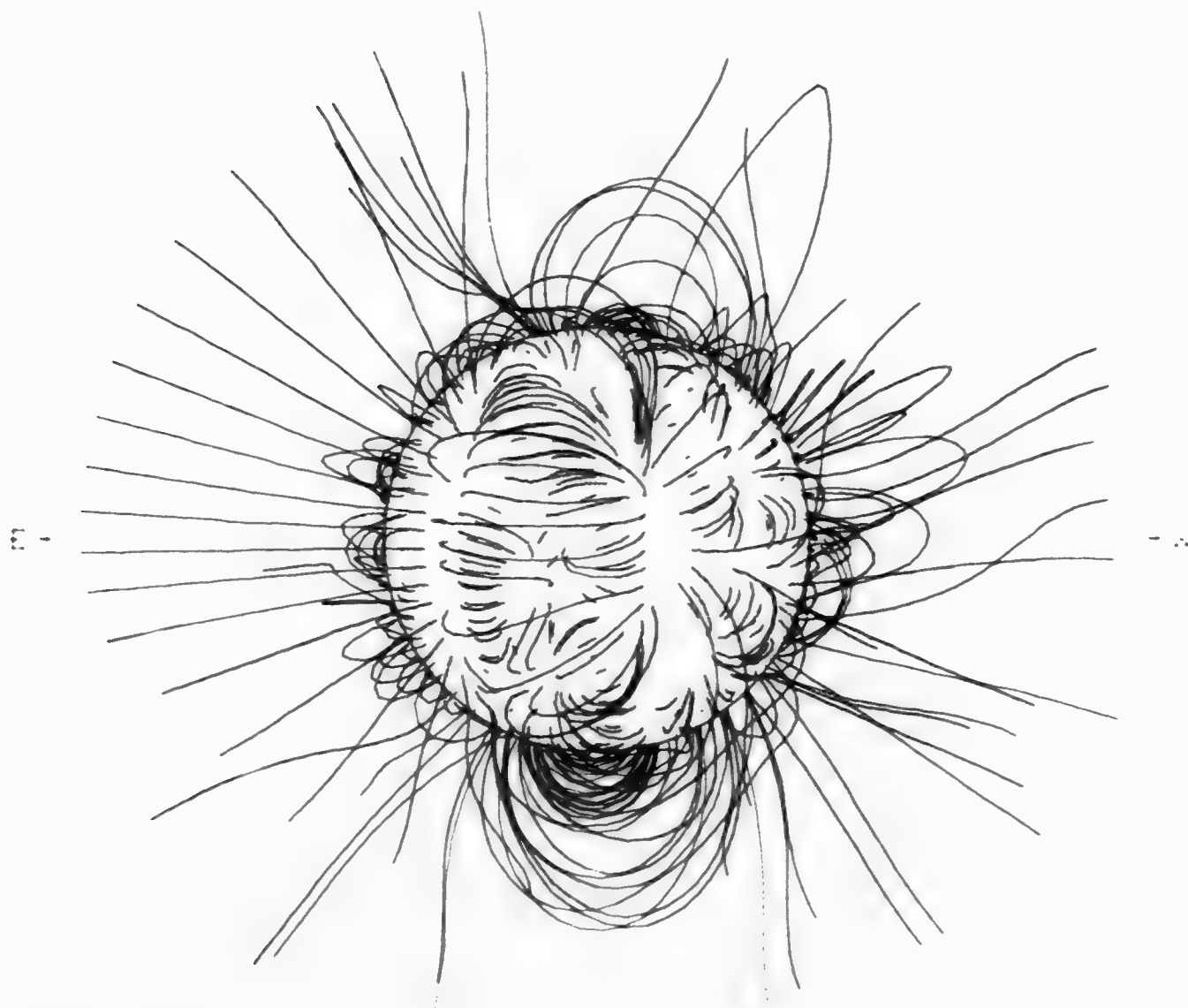


HALE OBSERVATORY
 HALES DIRECT
 DATA AND DATA 1985.01

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HALE OBSERVATORY
 HALES DIRECT
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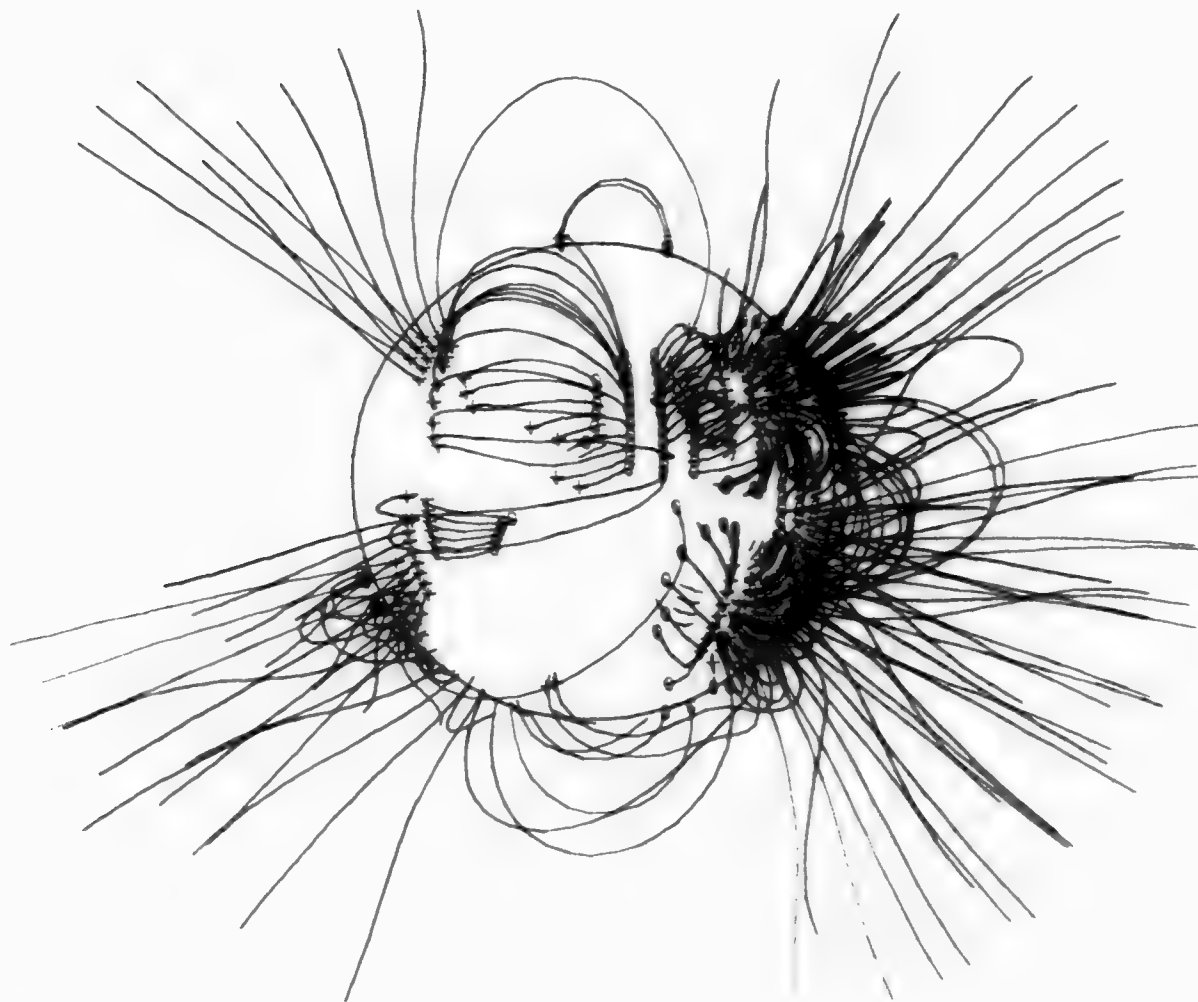
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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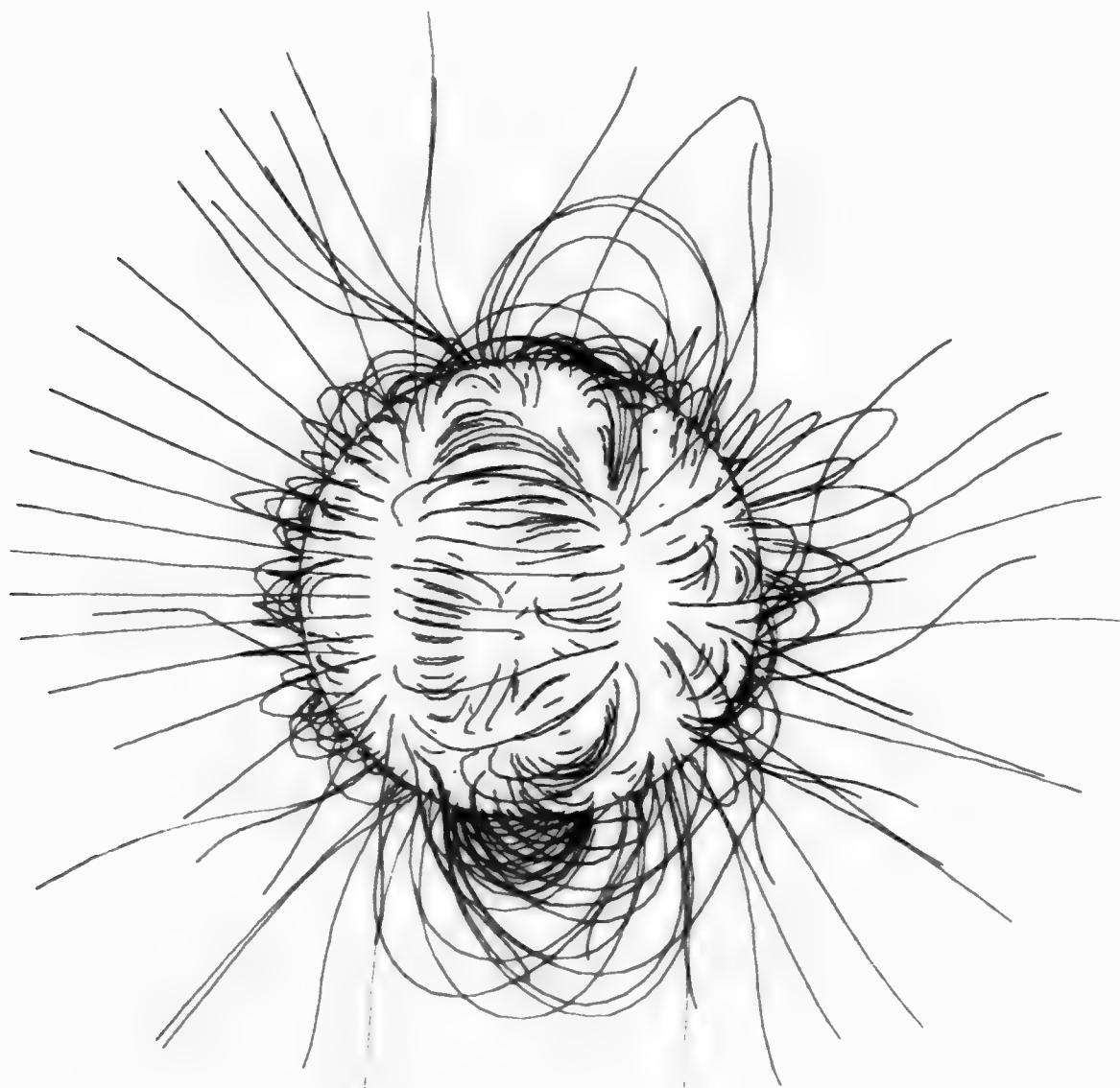
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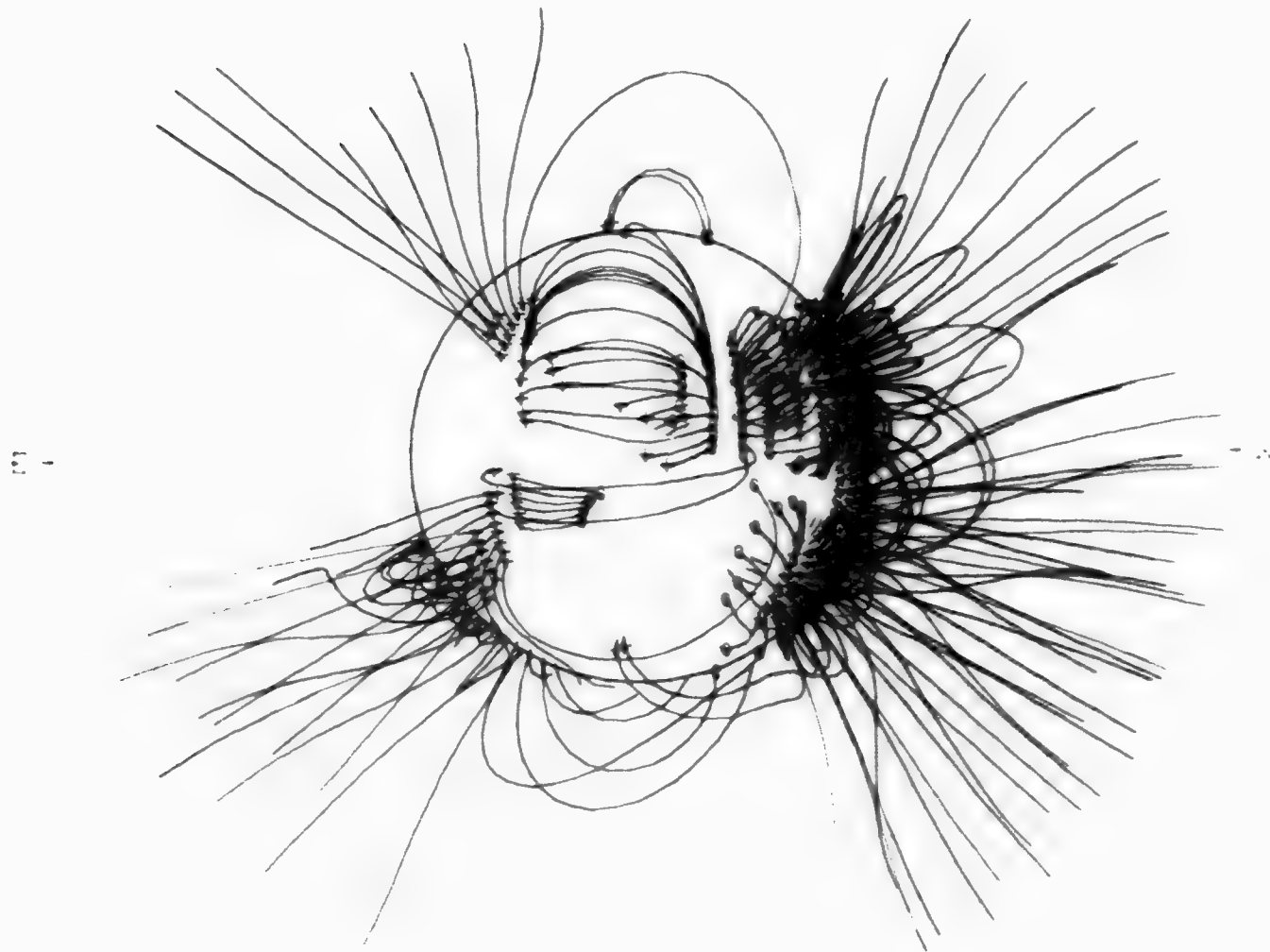
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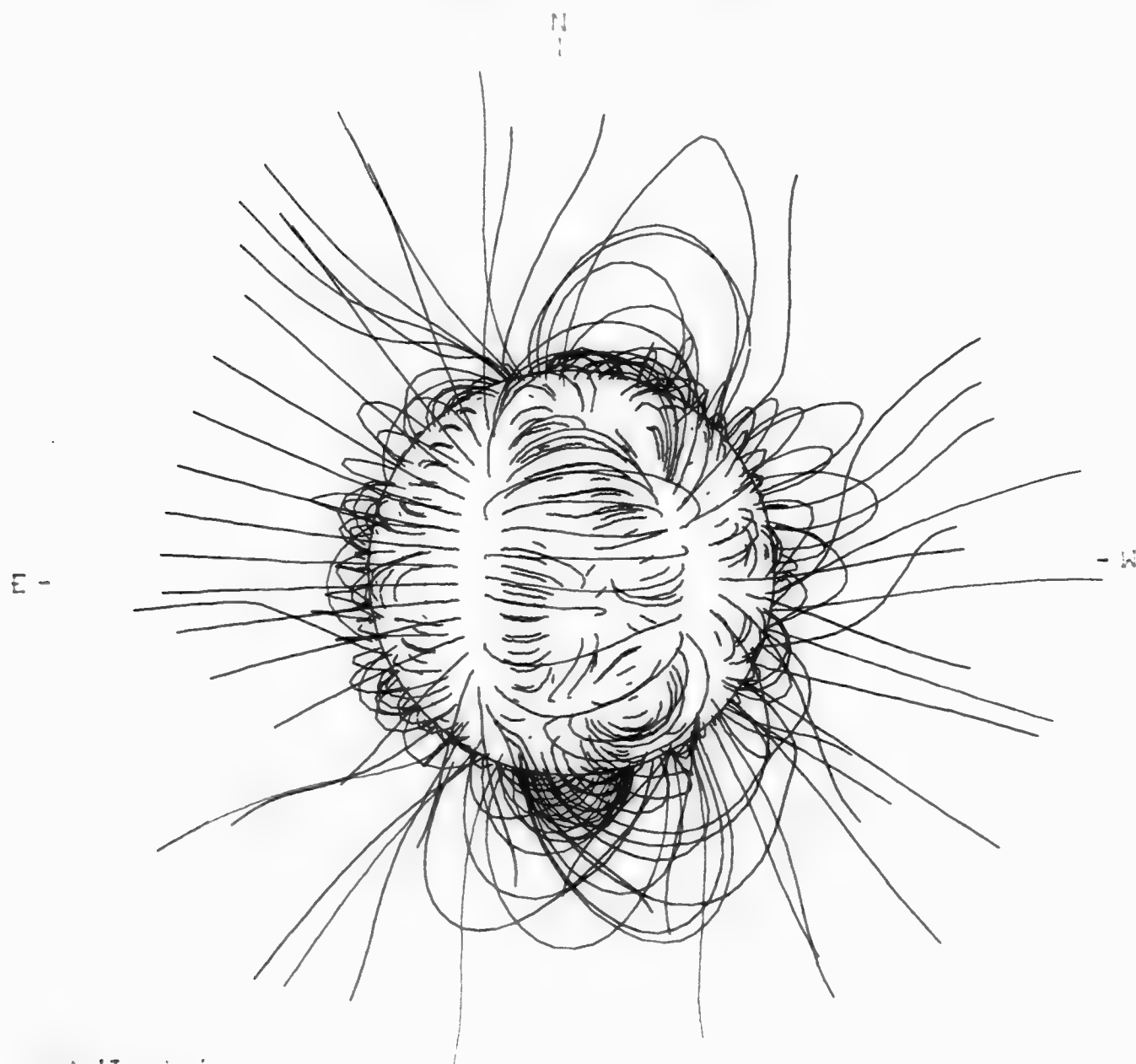
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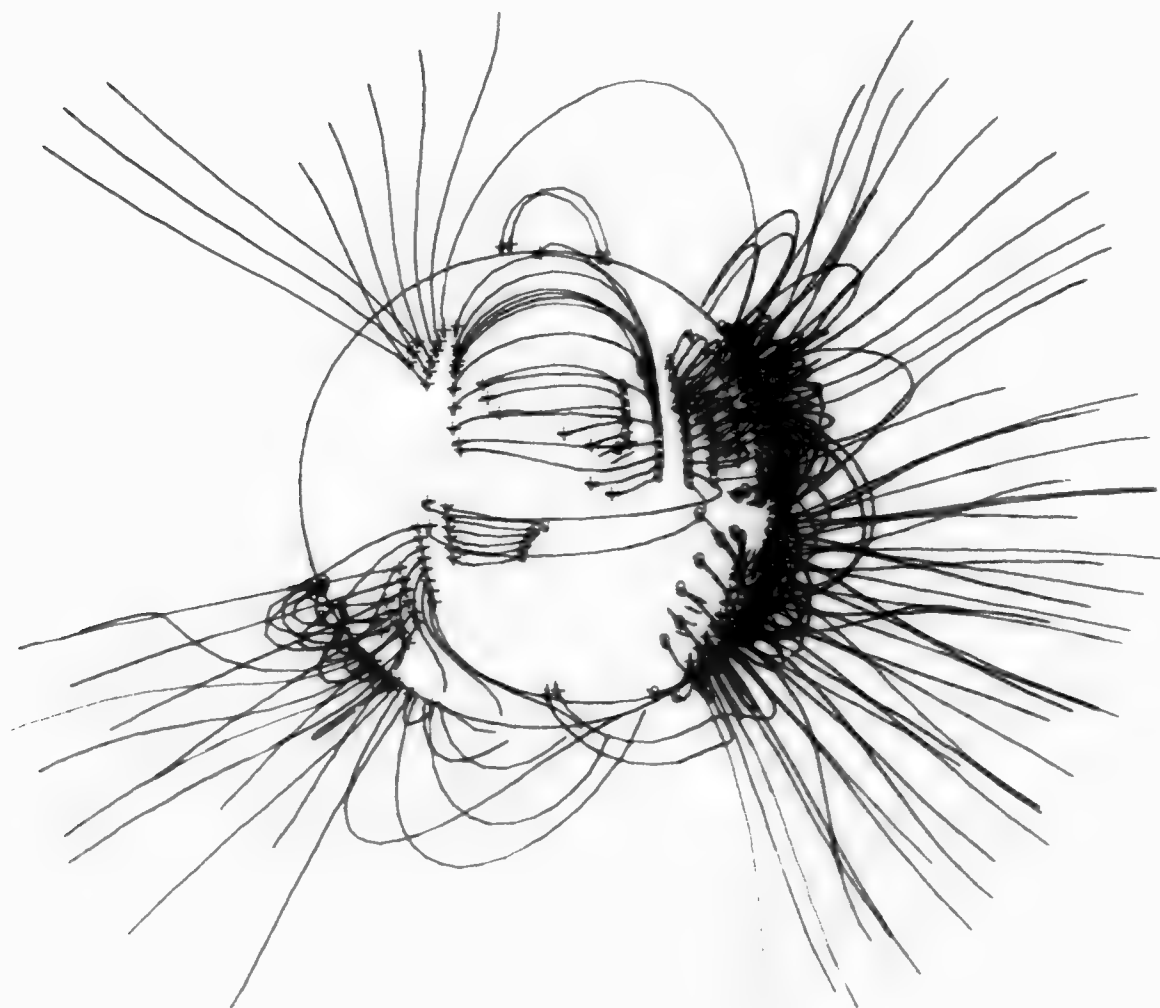
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



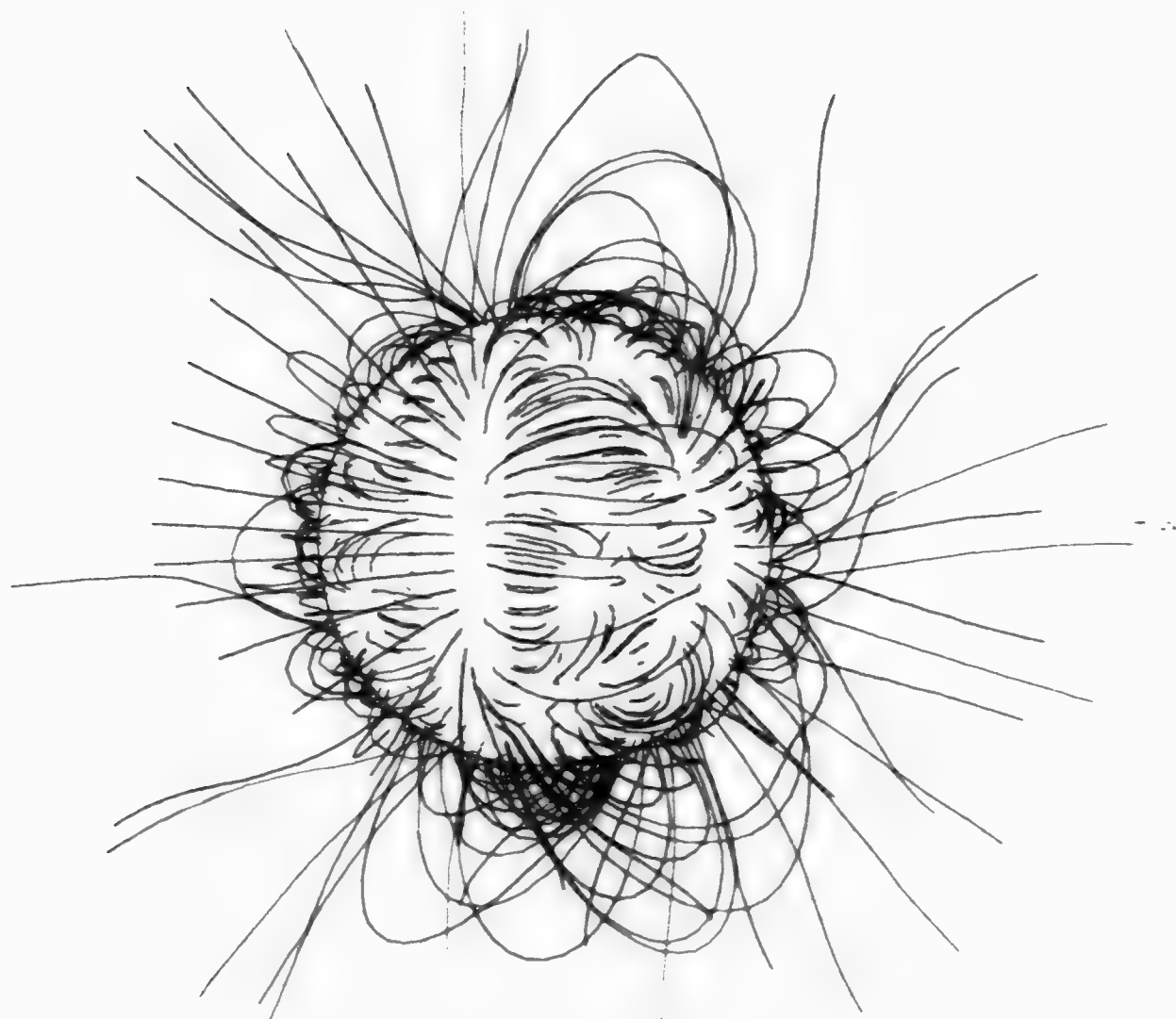
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1918-1919
1920-1921

HALE OBSERVATORY
1922-1923
1924-1925

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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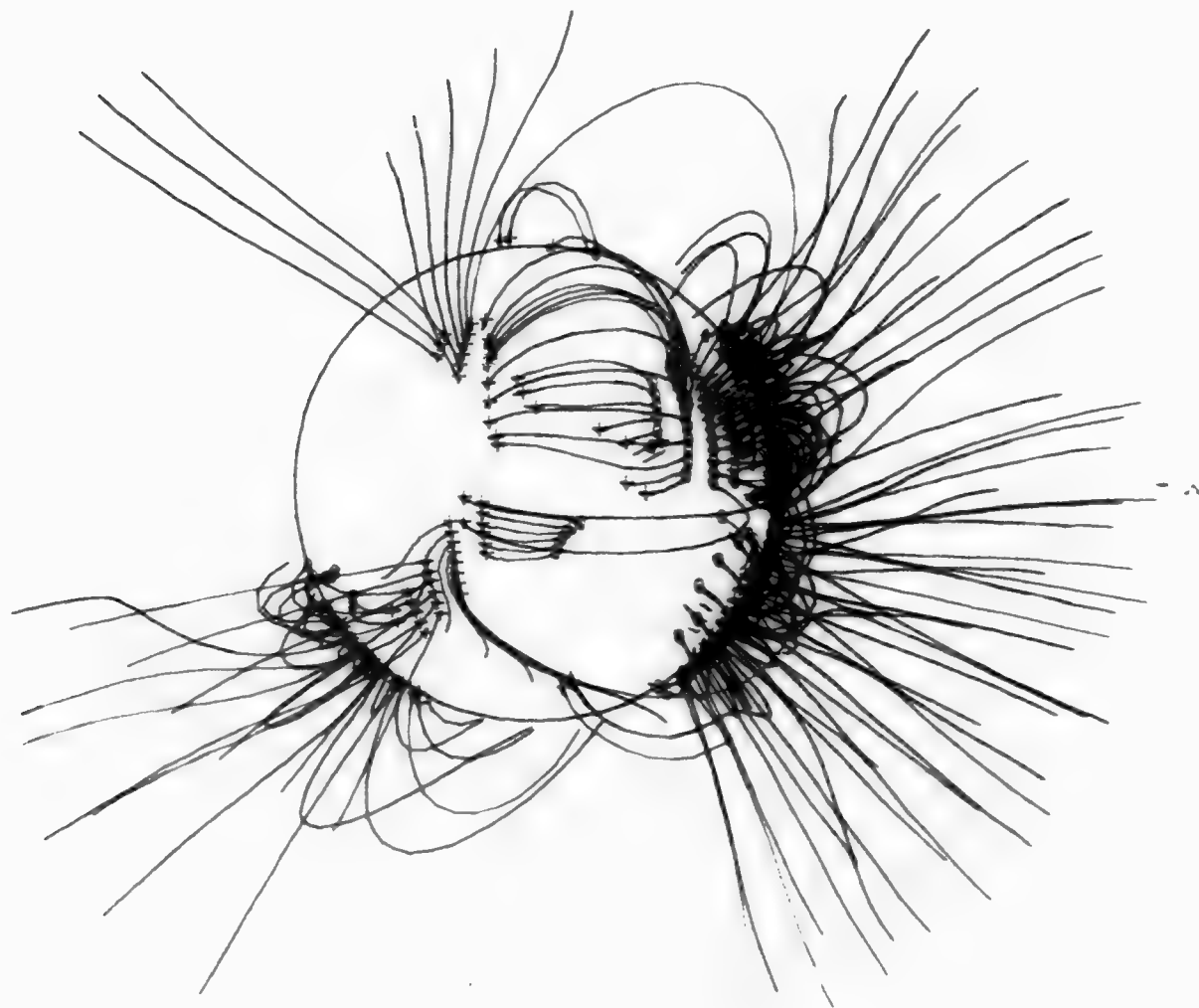
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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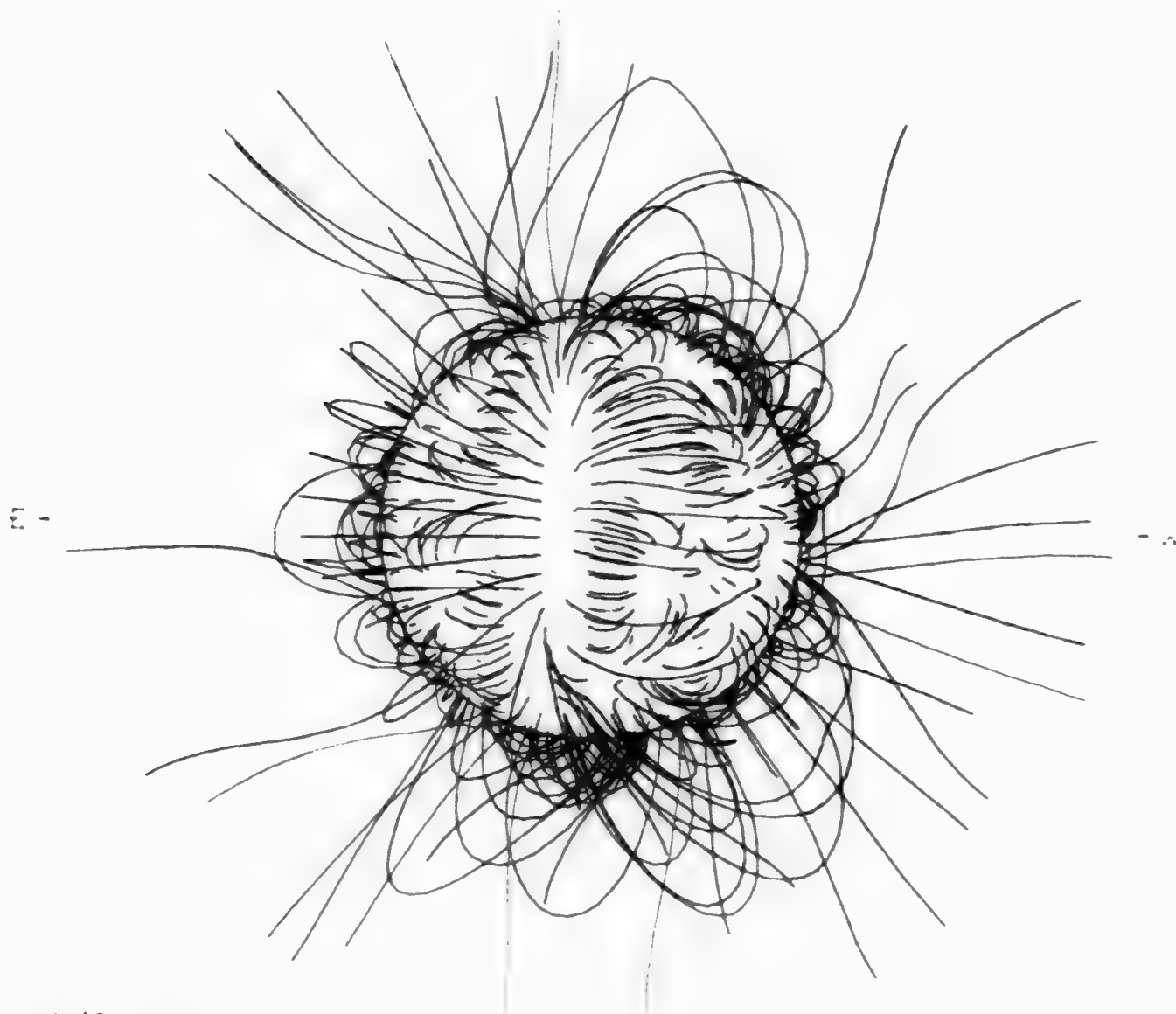
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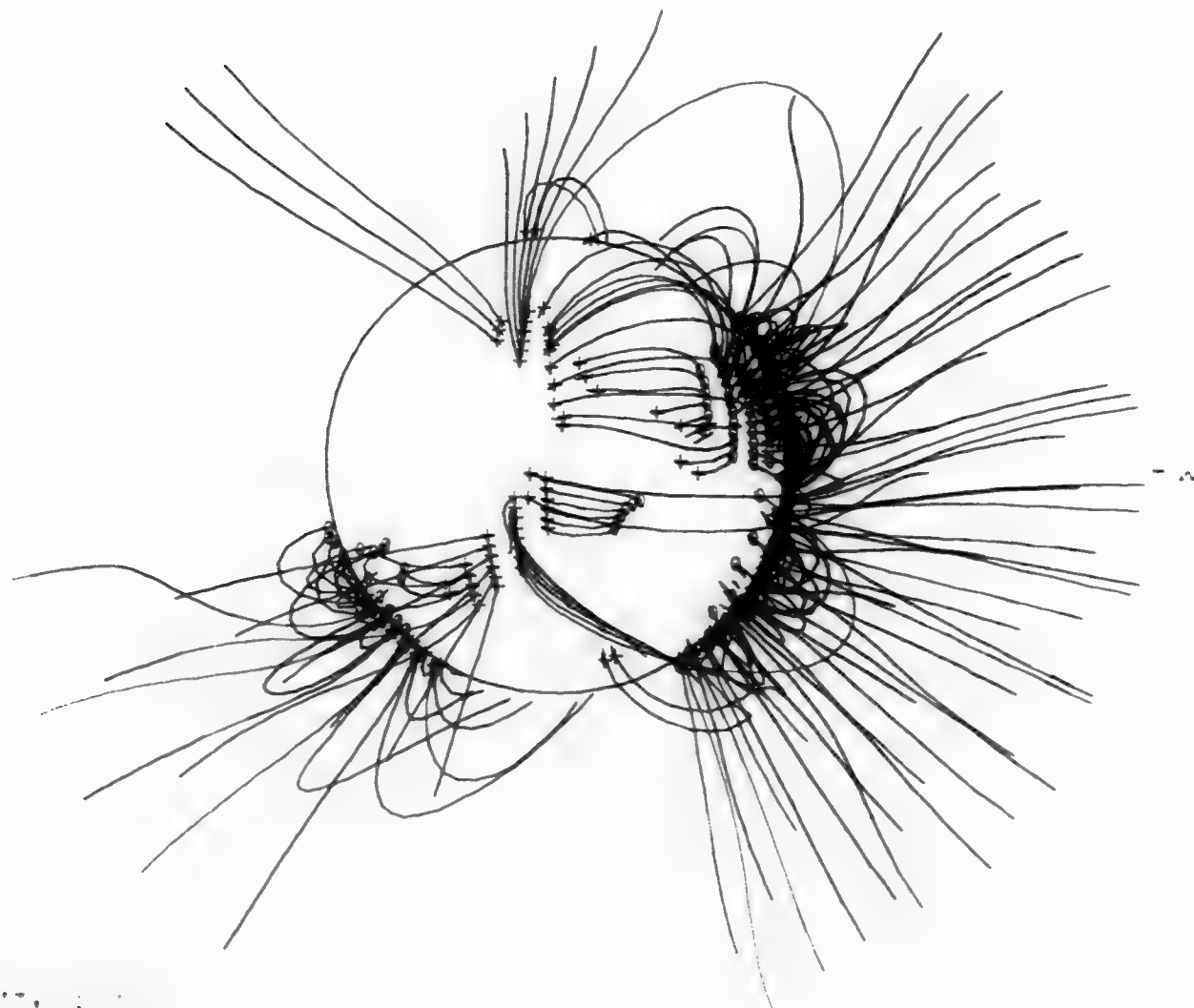
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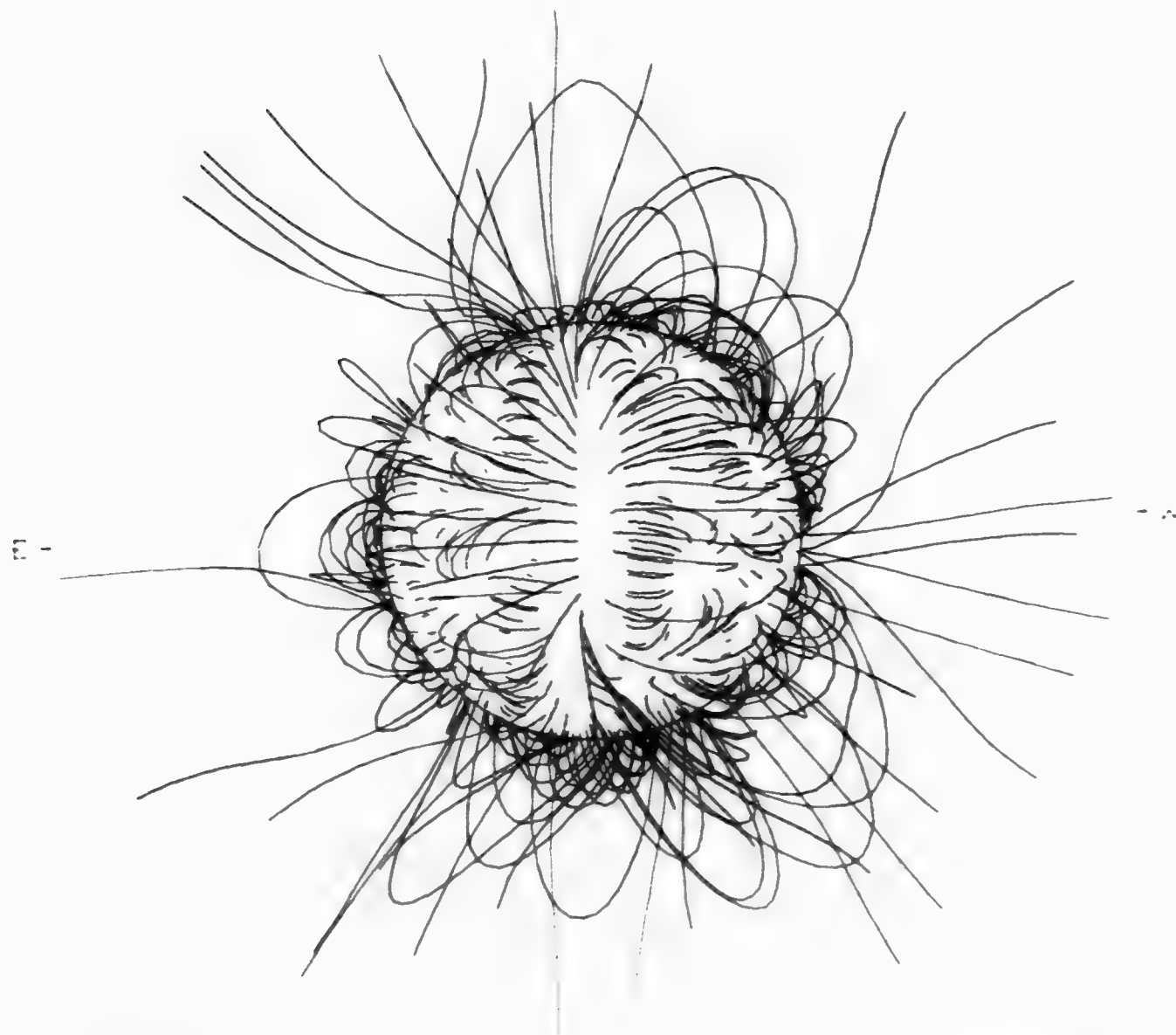
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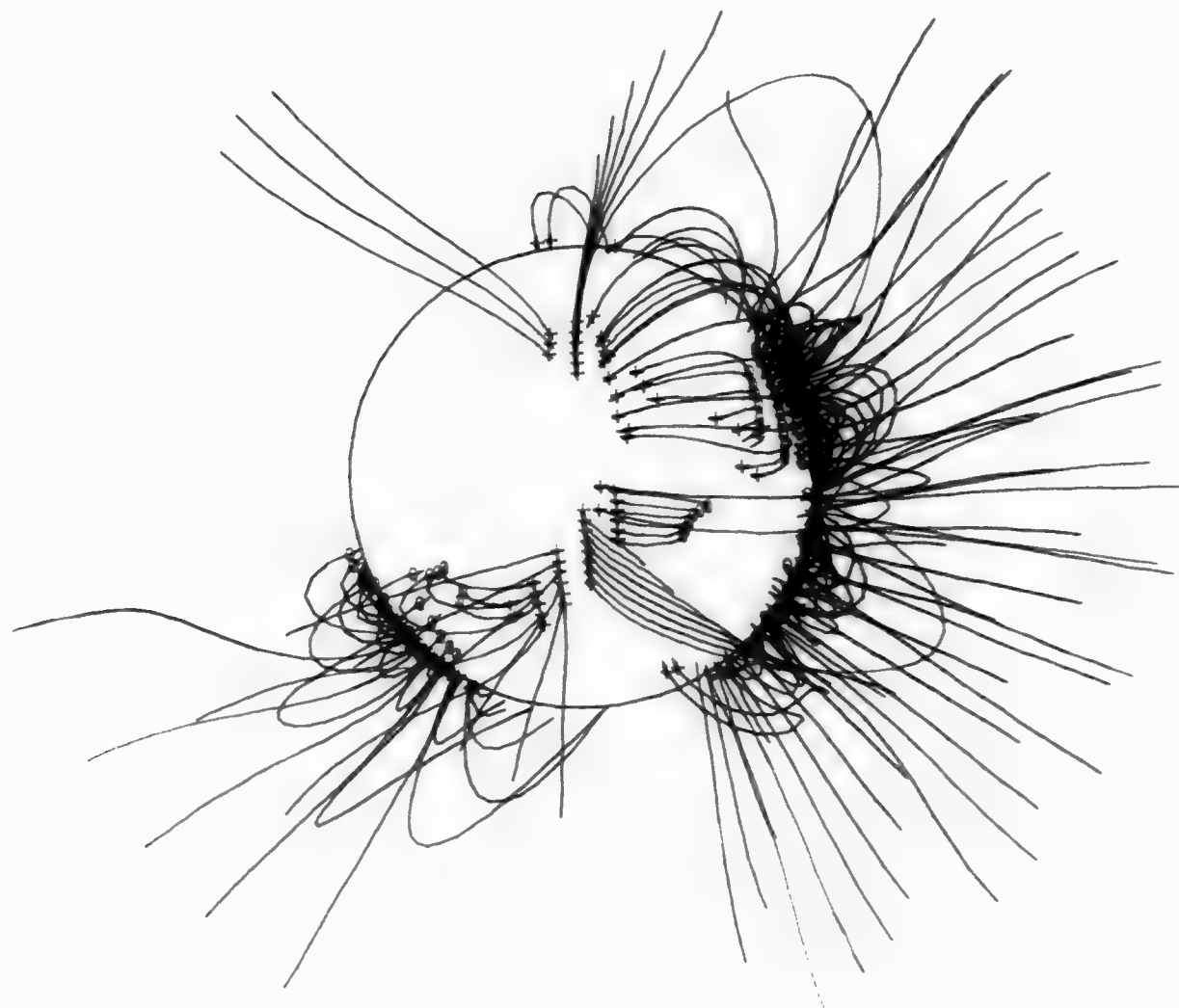
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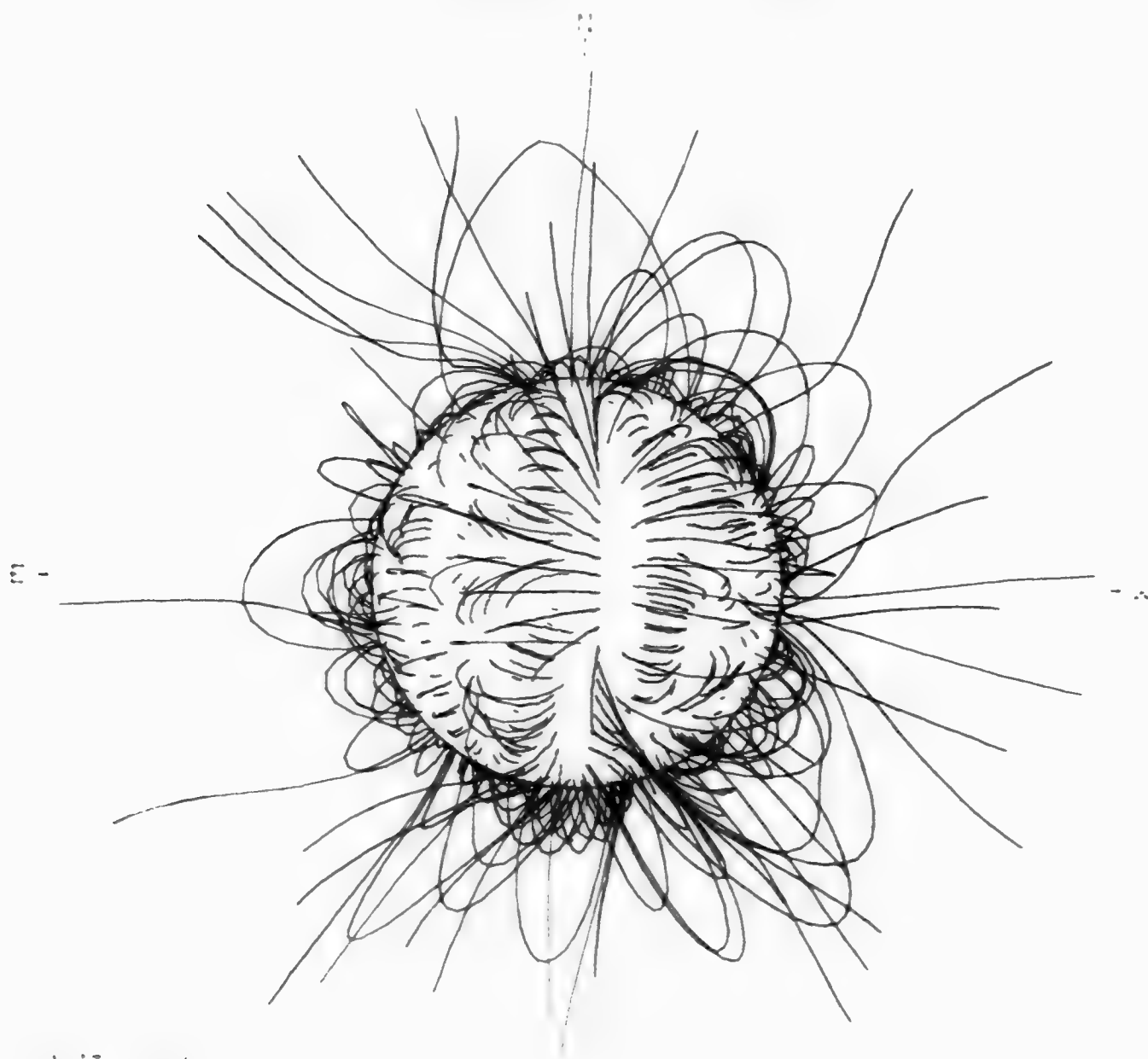
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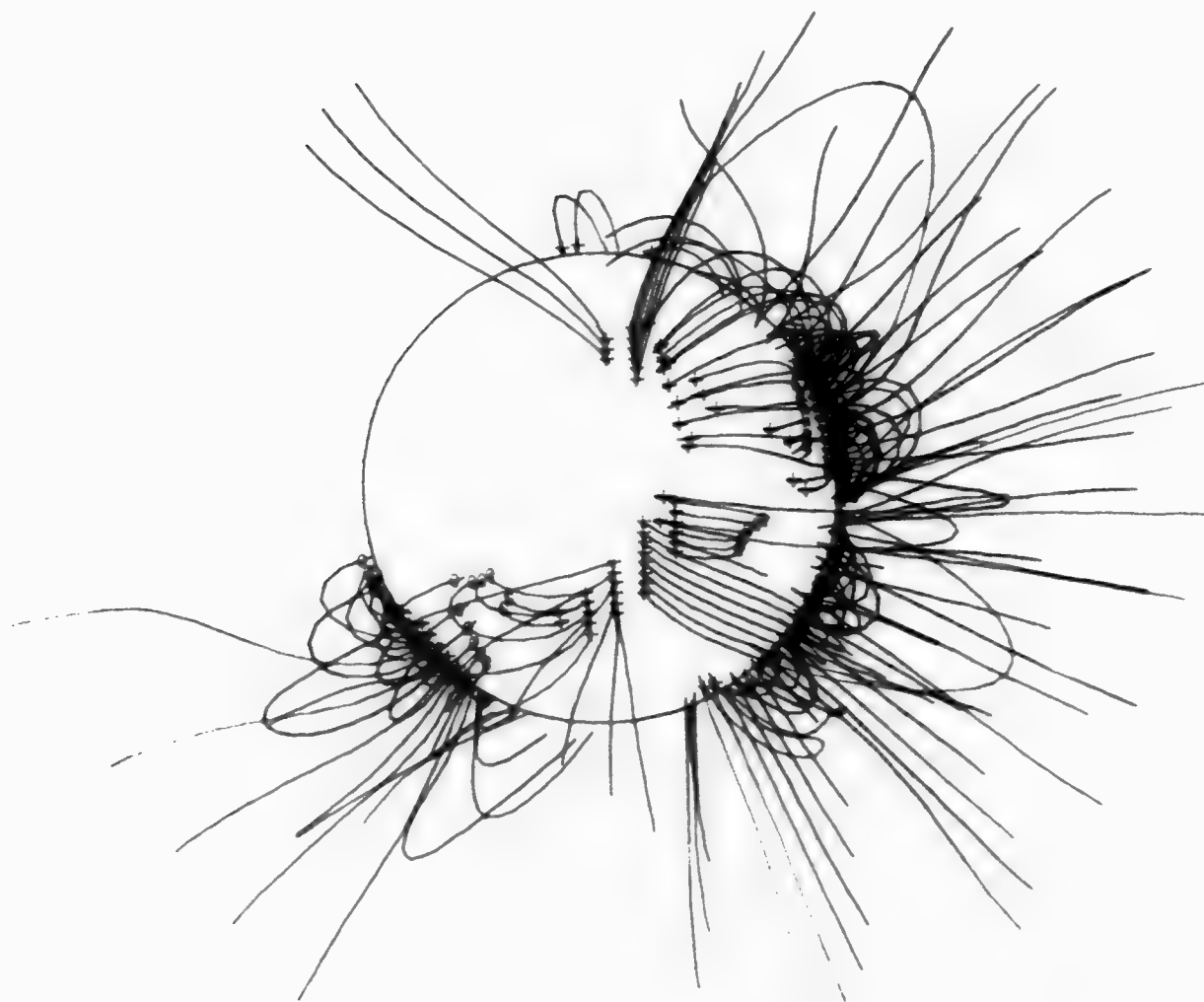
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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1919-1920

HALE OBSERVATORY
1921-1922
1923-1924

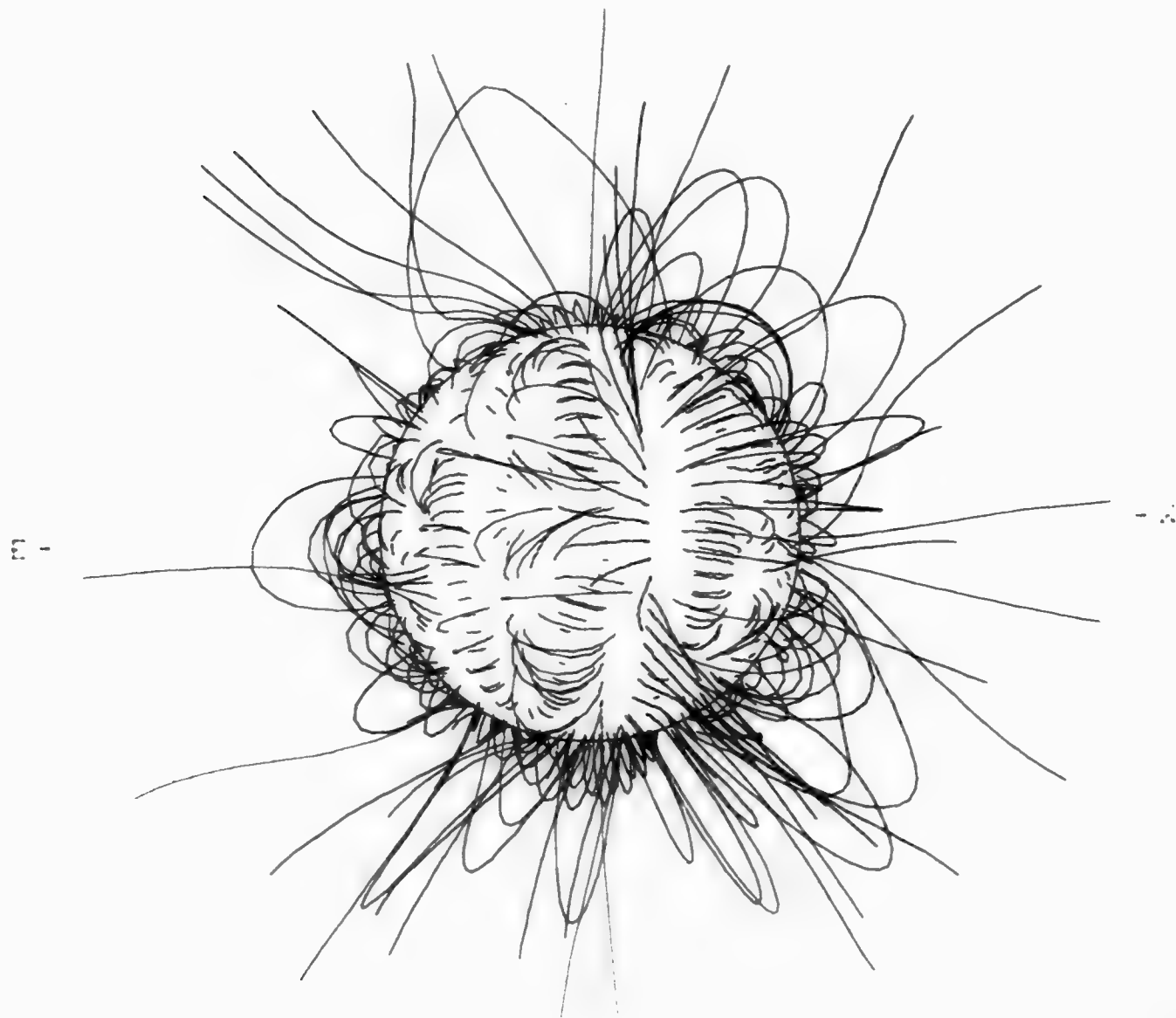
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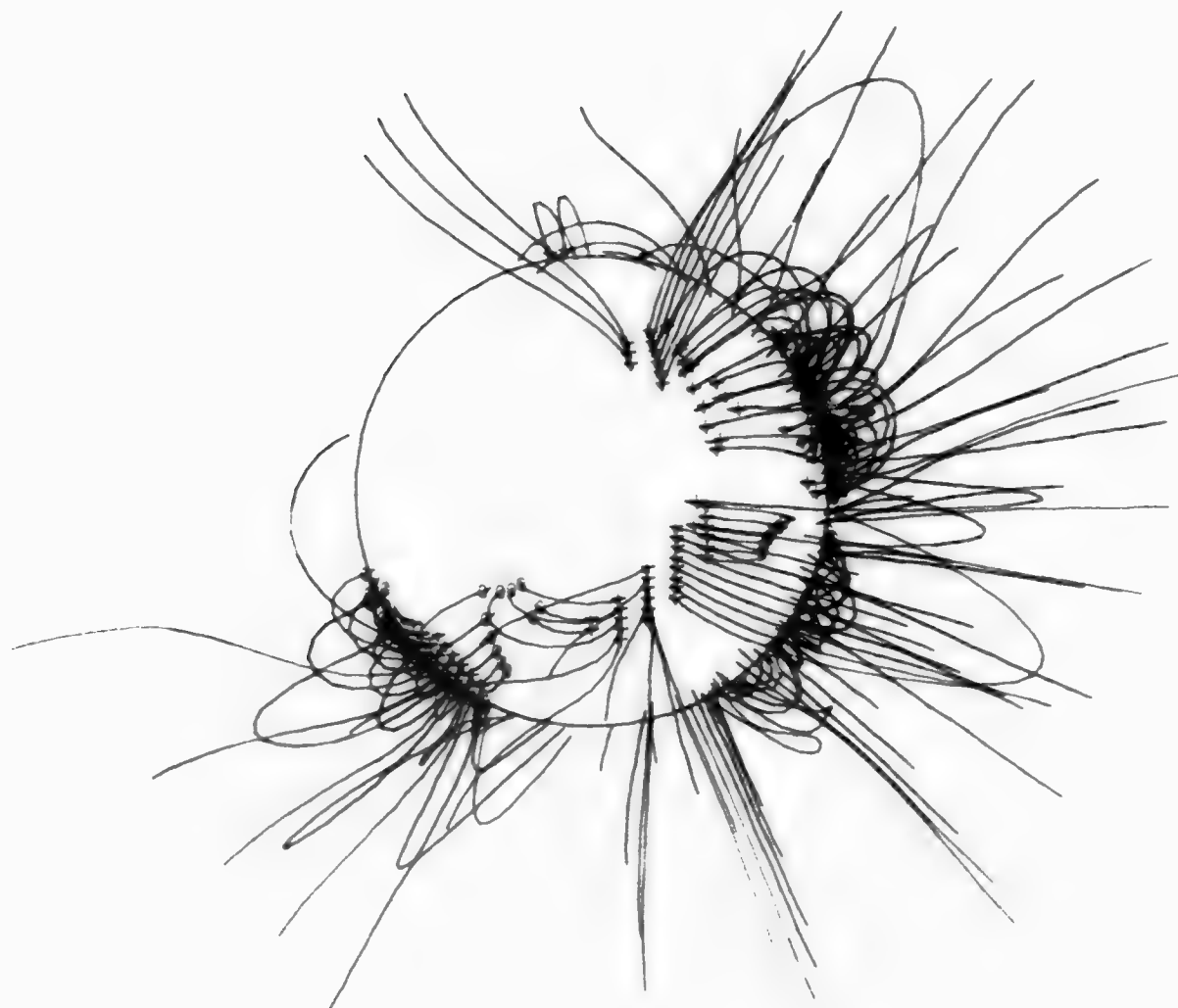
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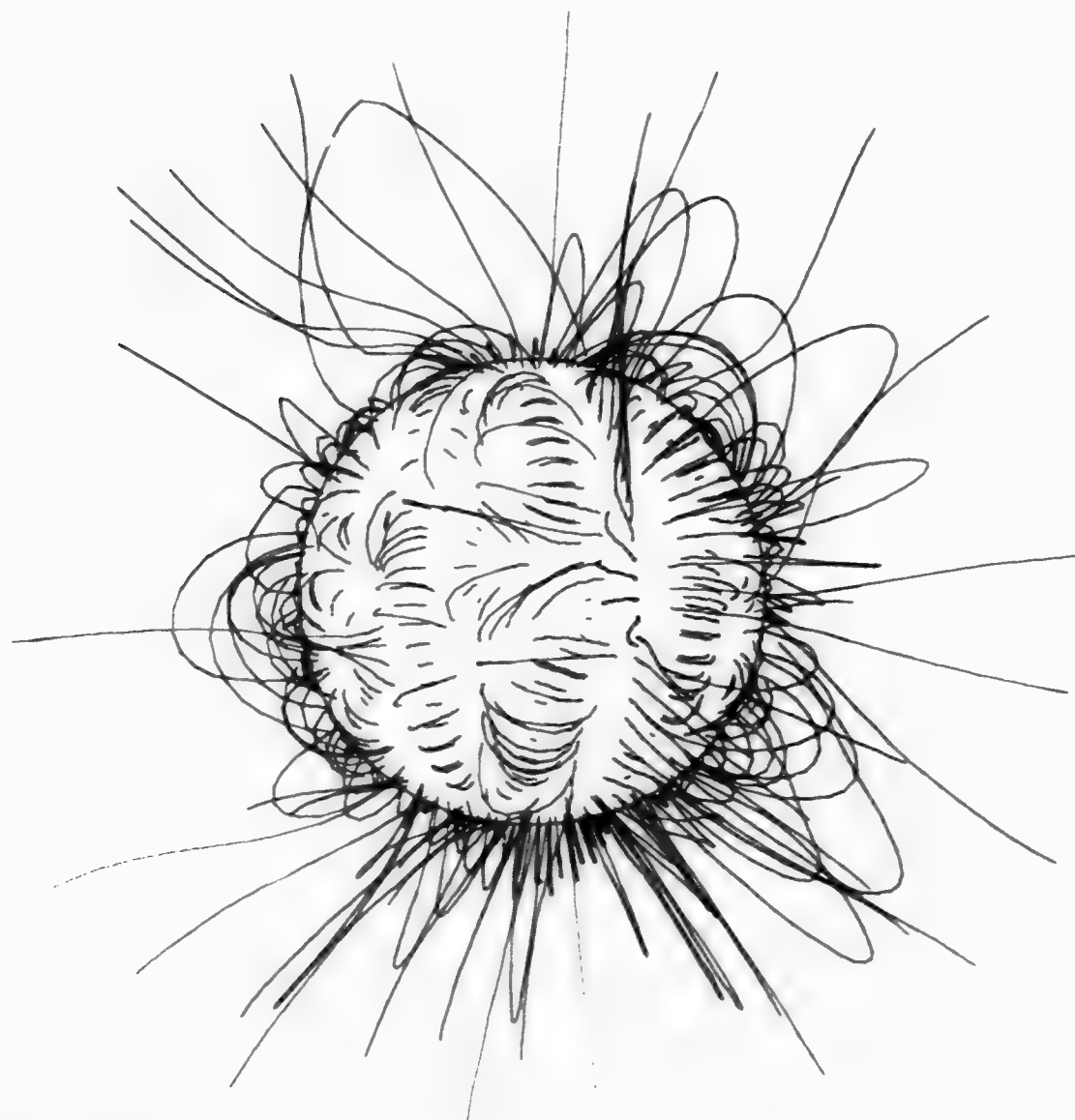
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



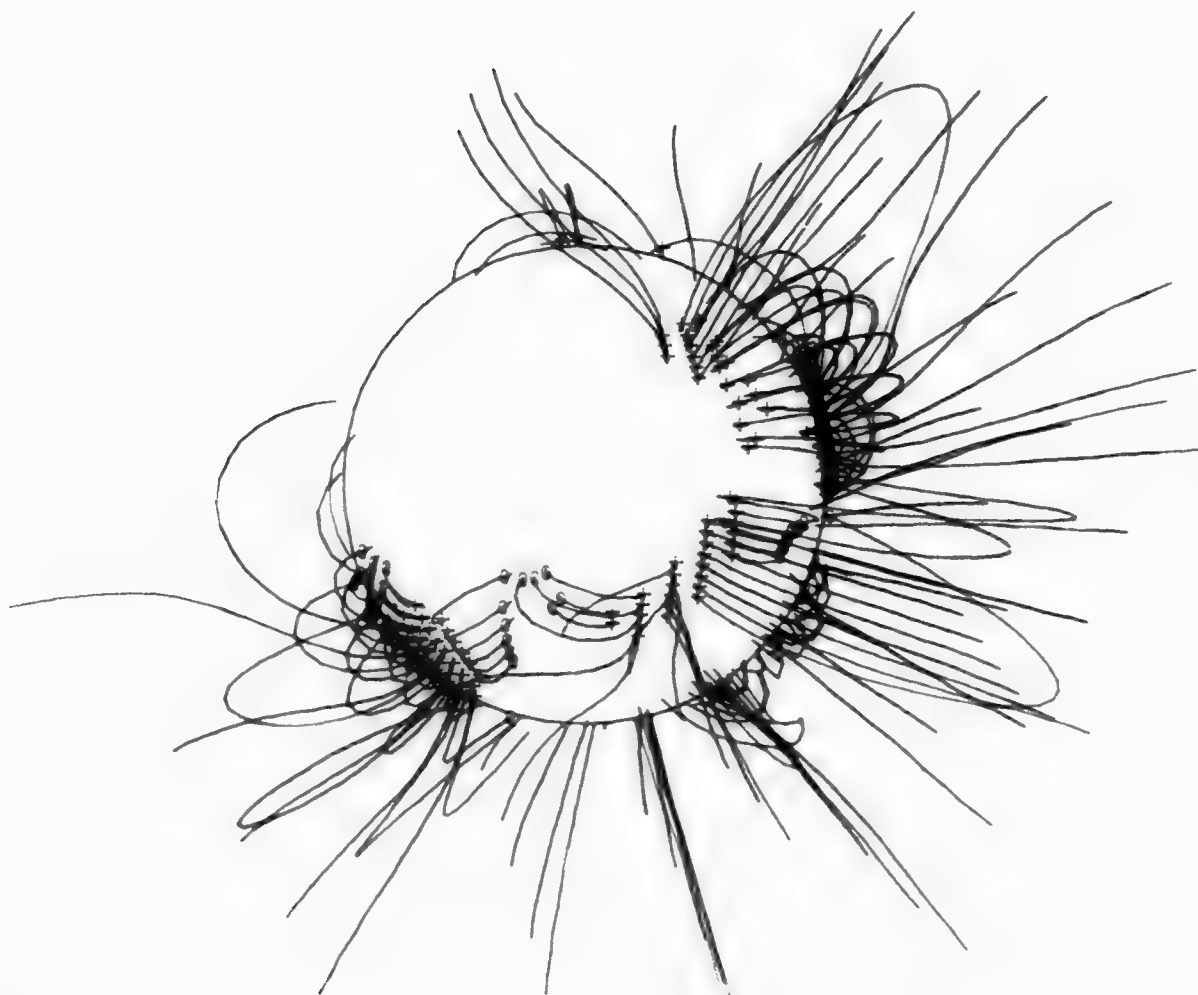
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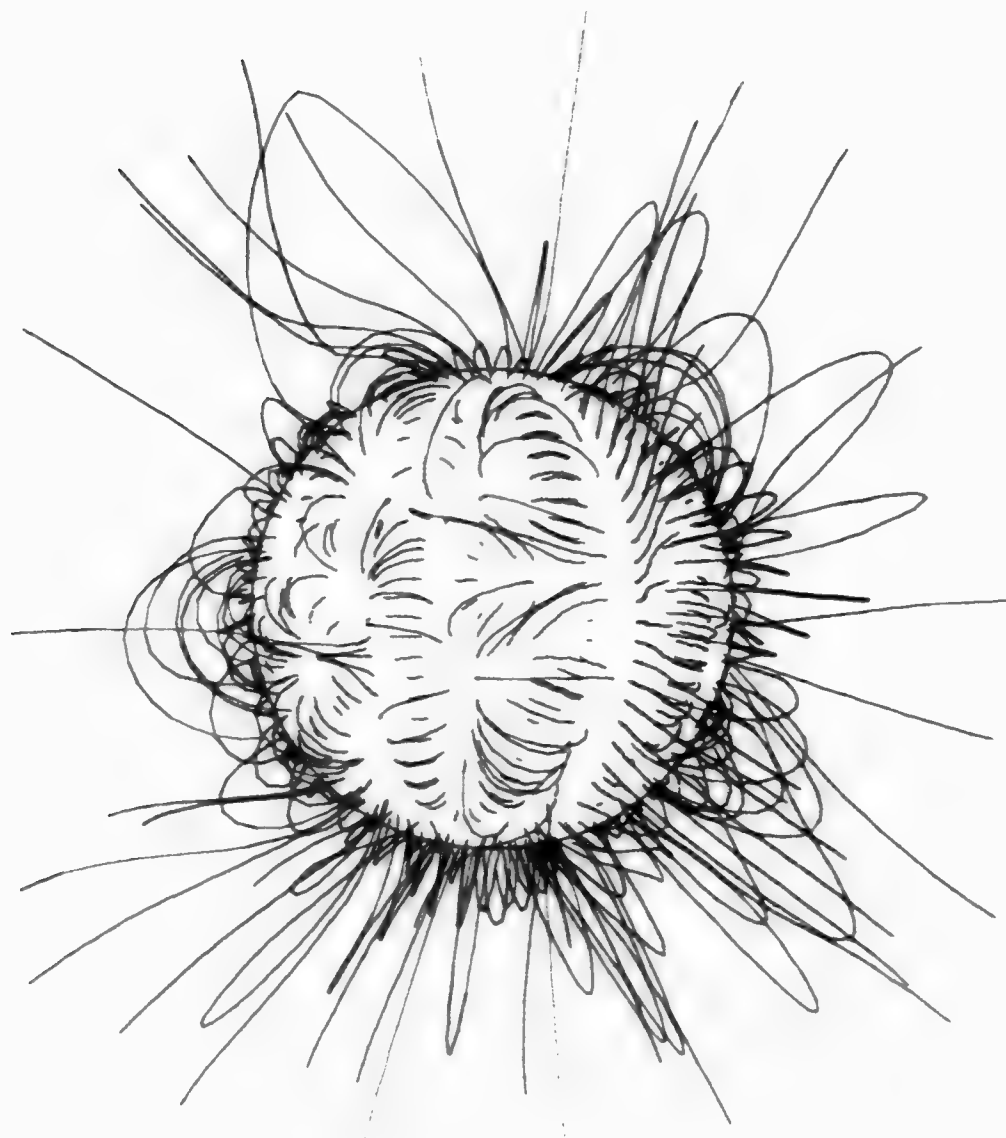
HALE OBSERVATORY
PUEBLO, COLORADO
1917-1918

HALE OBSERVATORY
PUEBLO, COLORADO
1917-1918

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



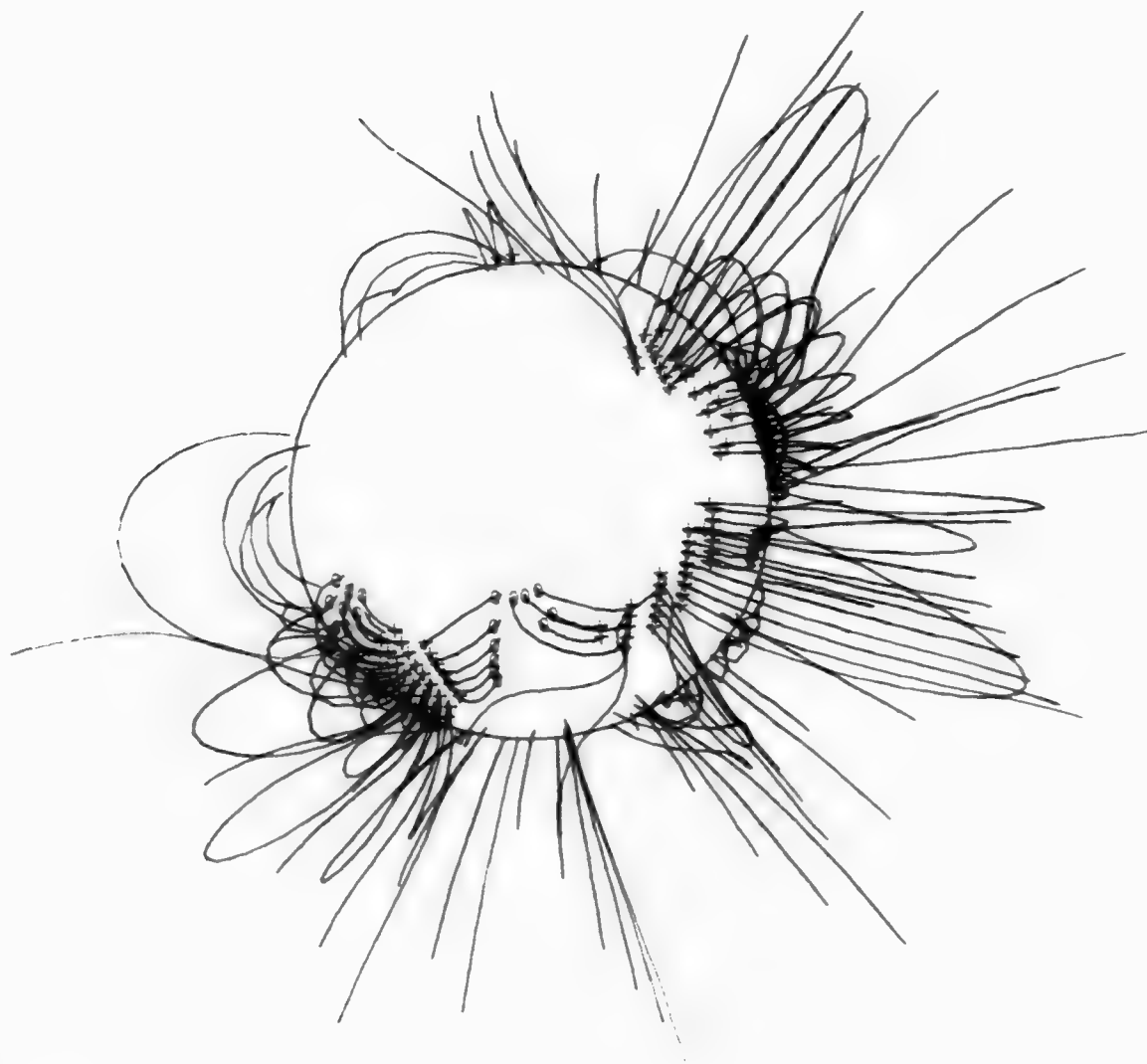
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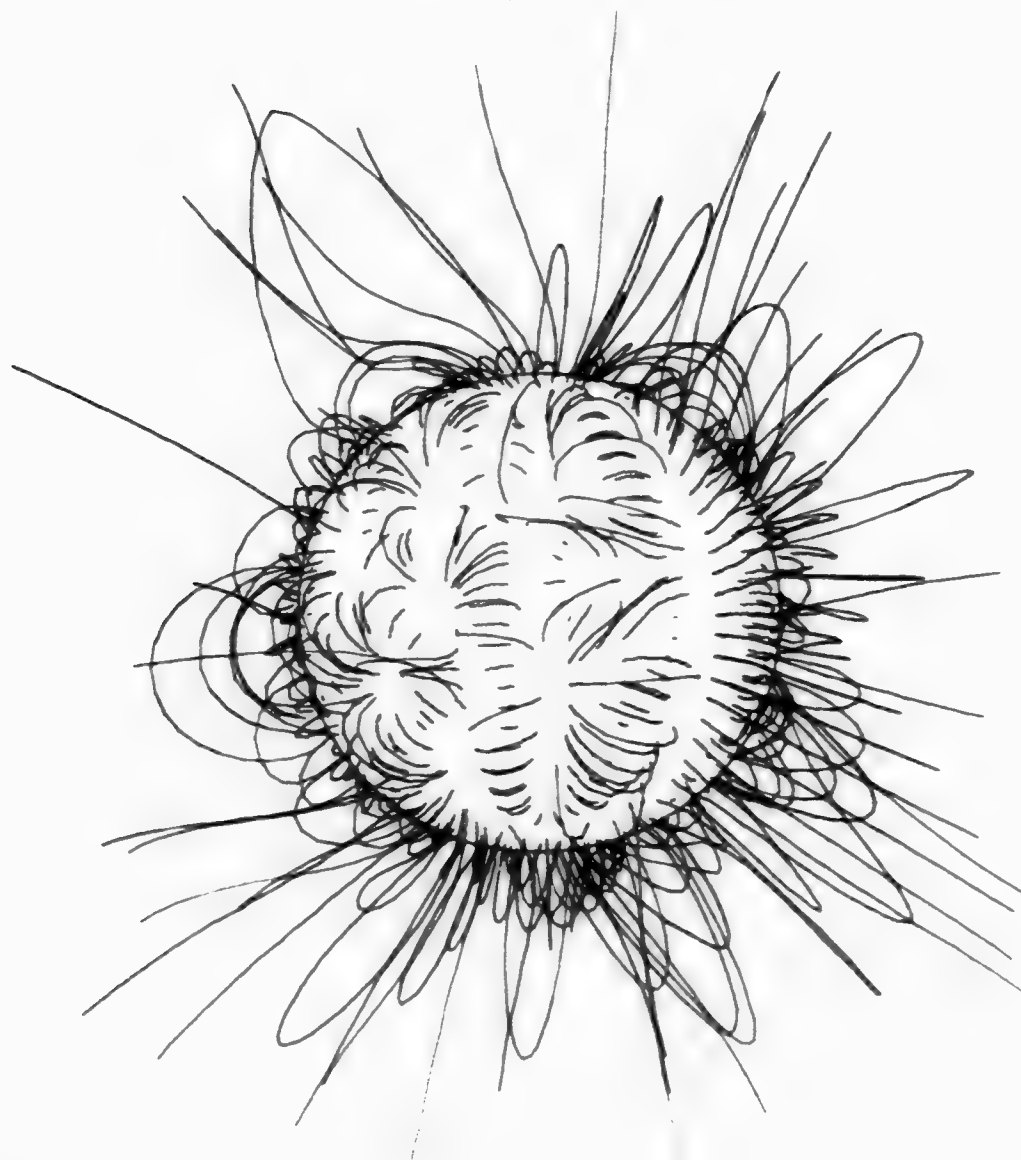
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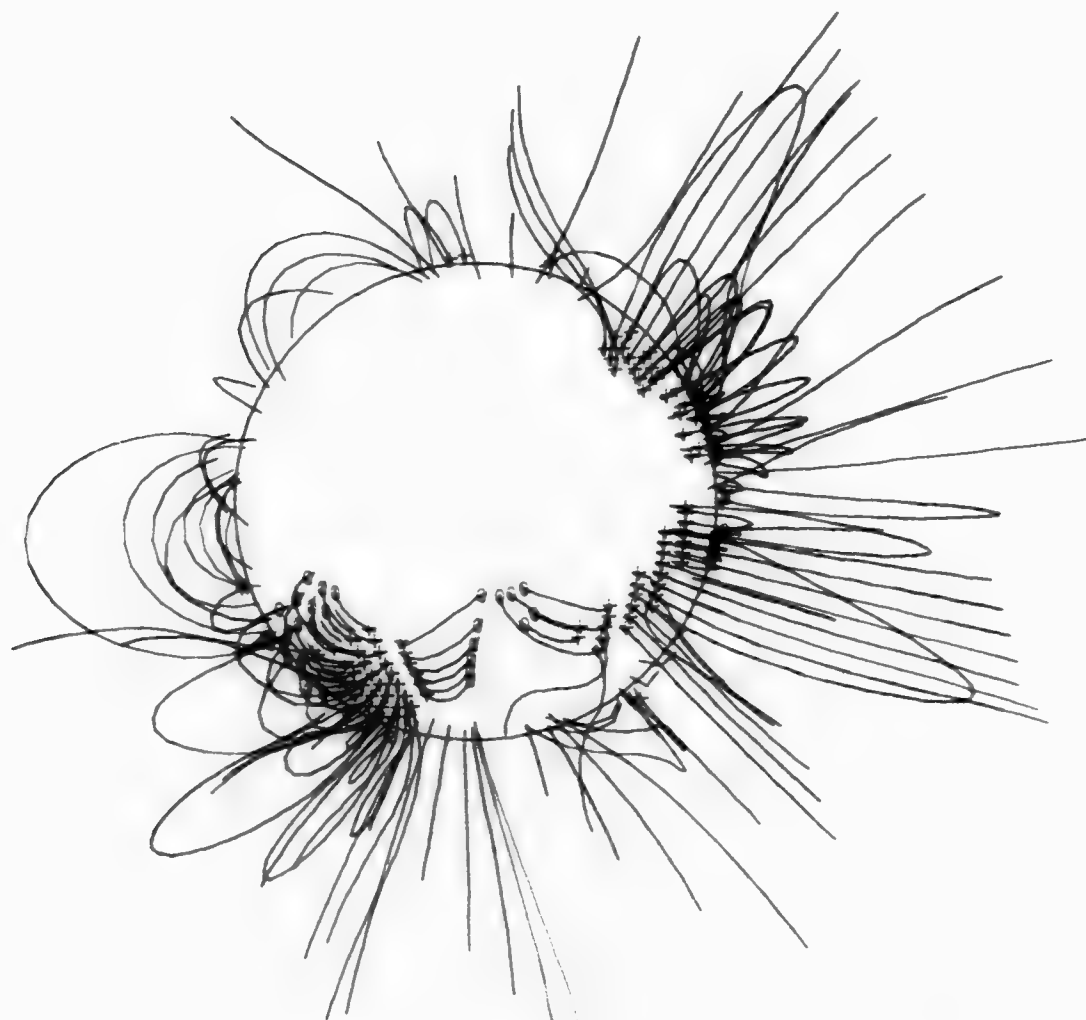


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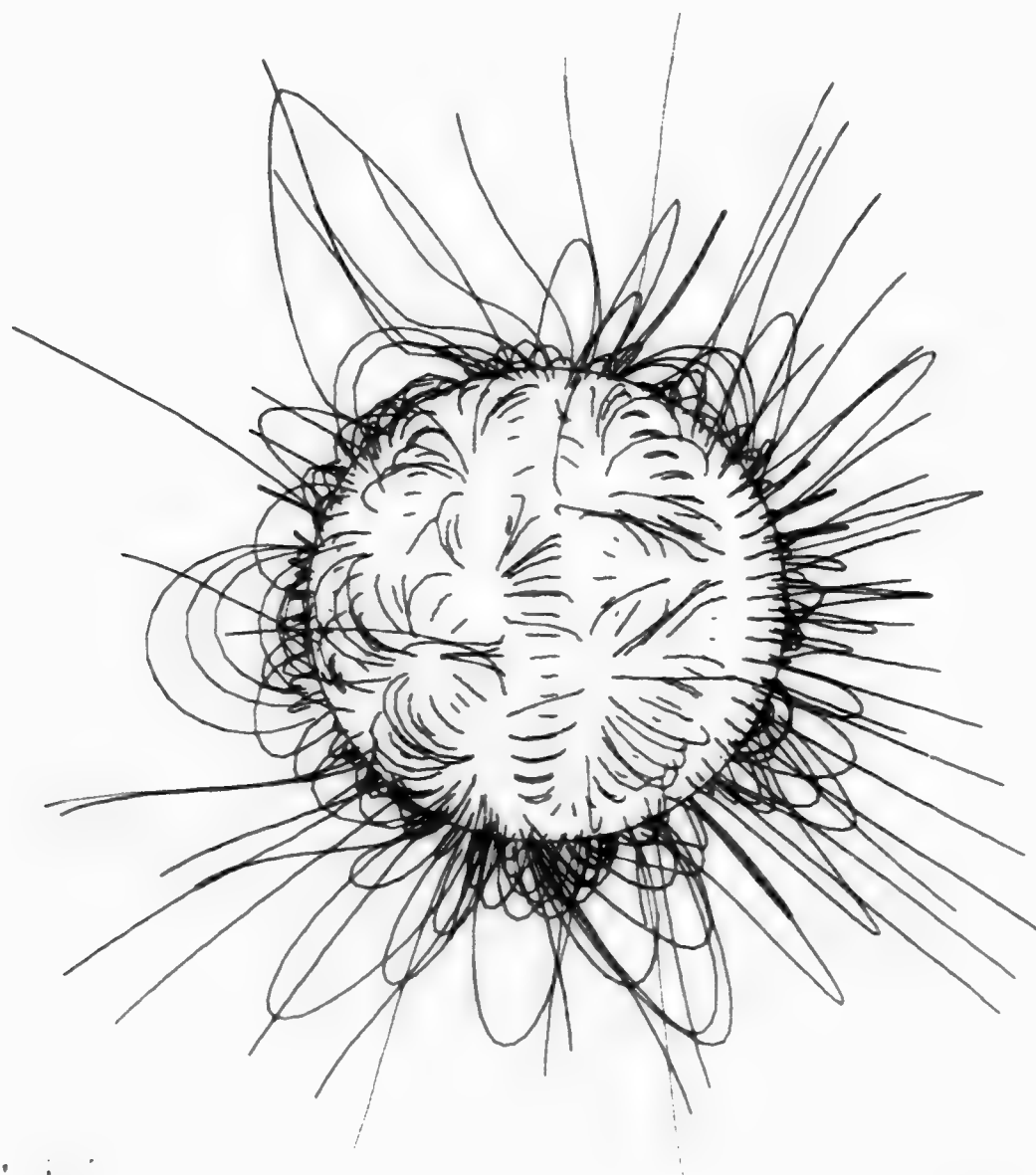
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

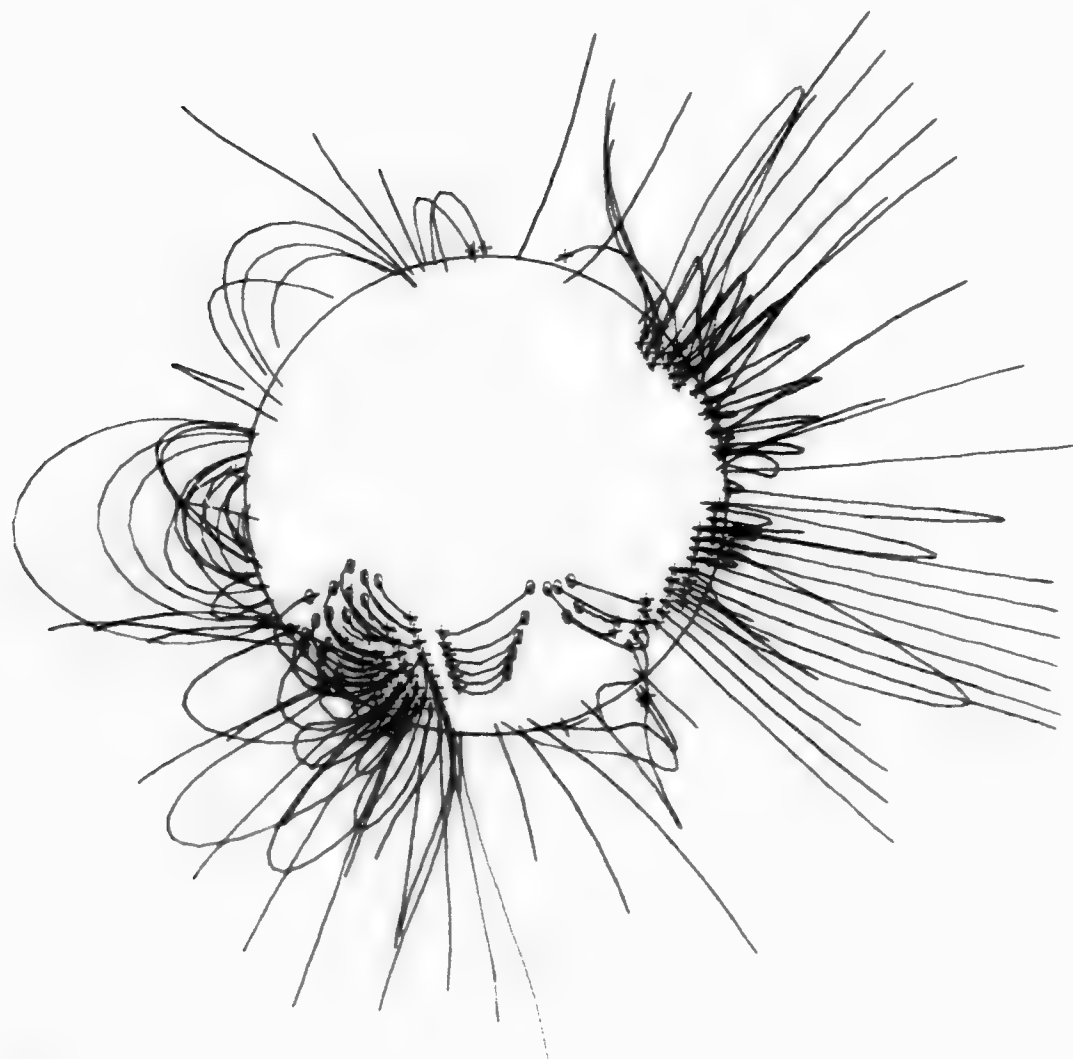


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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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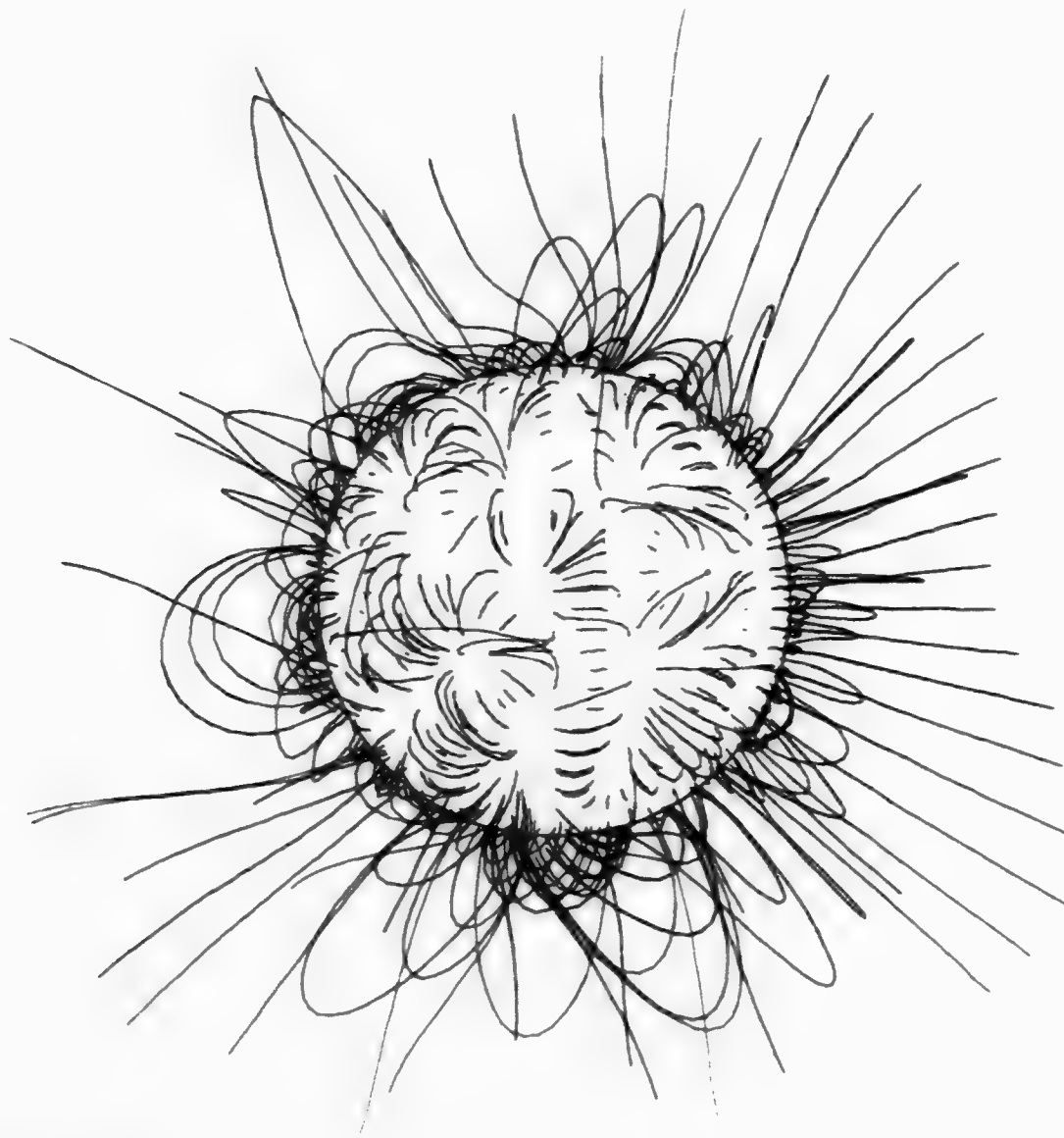
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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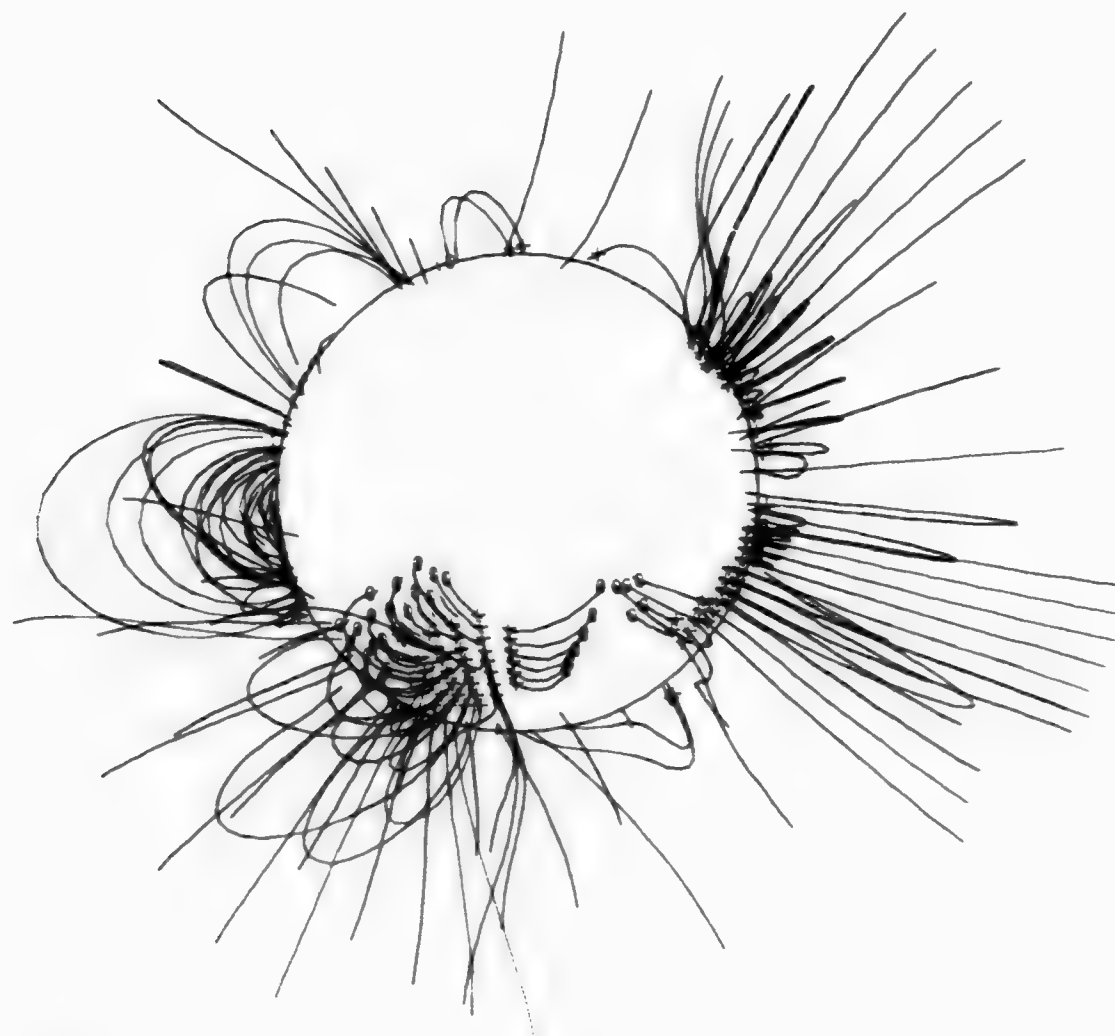
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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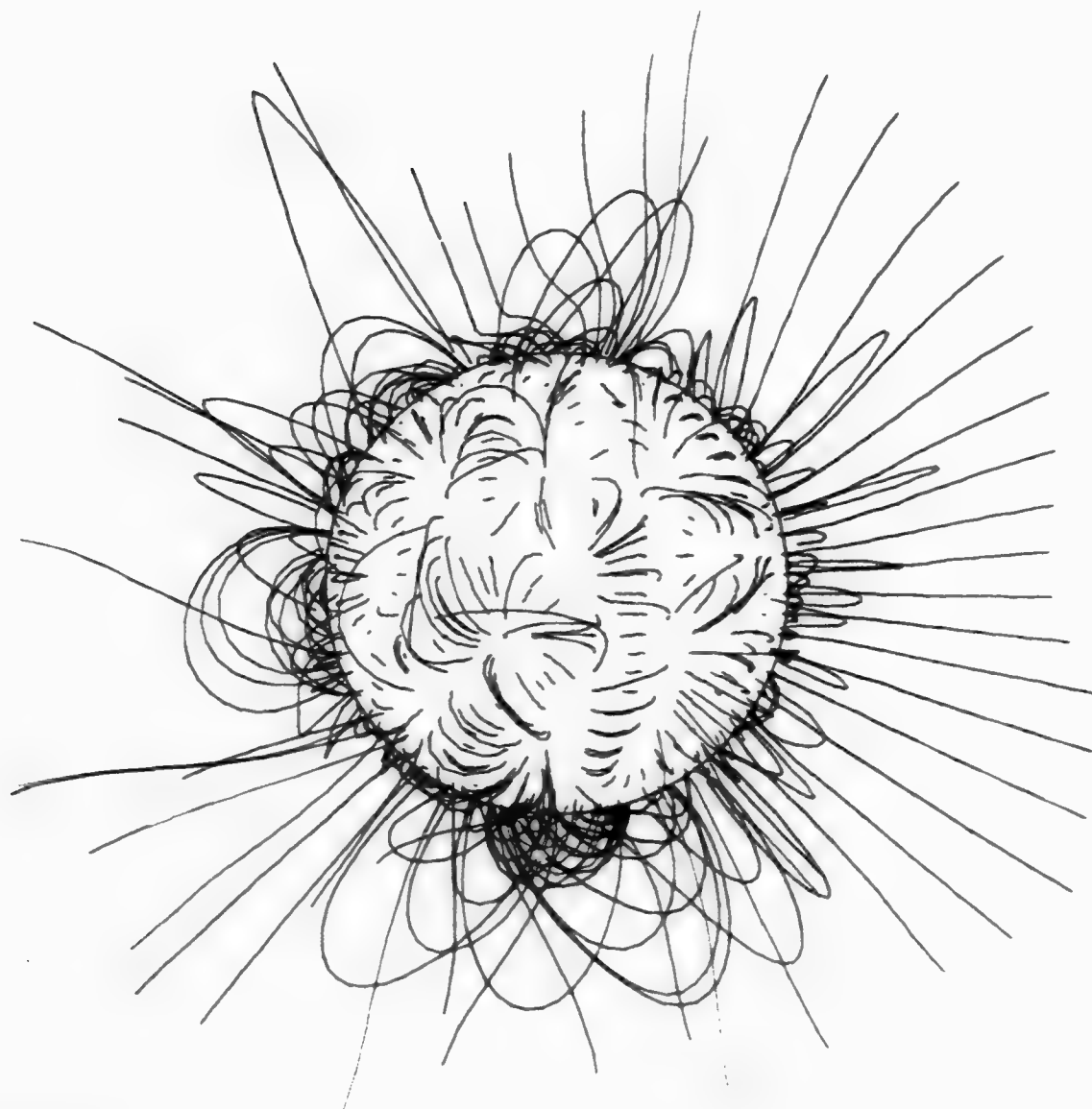
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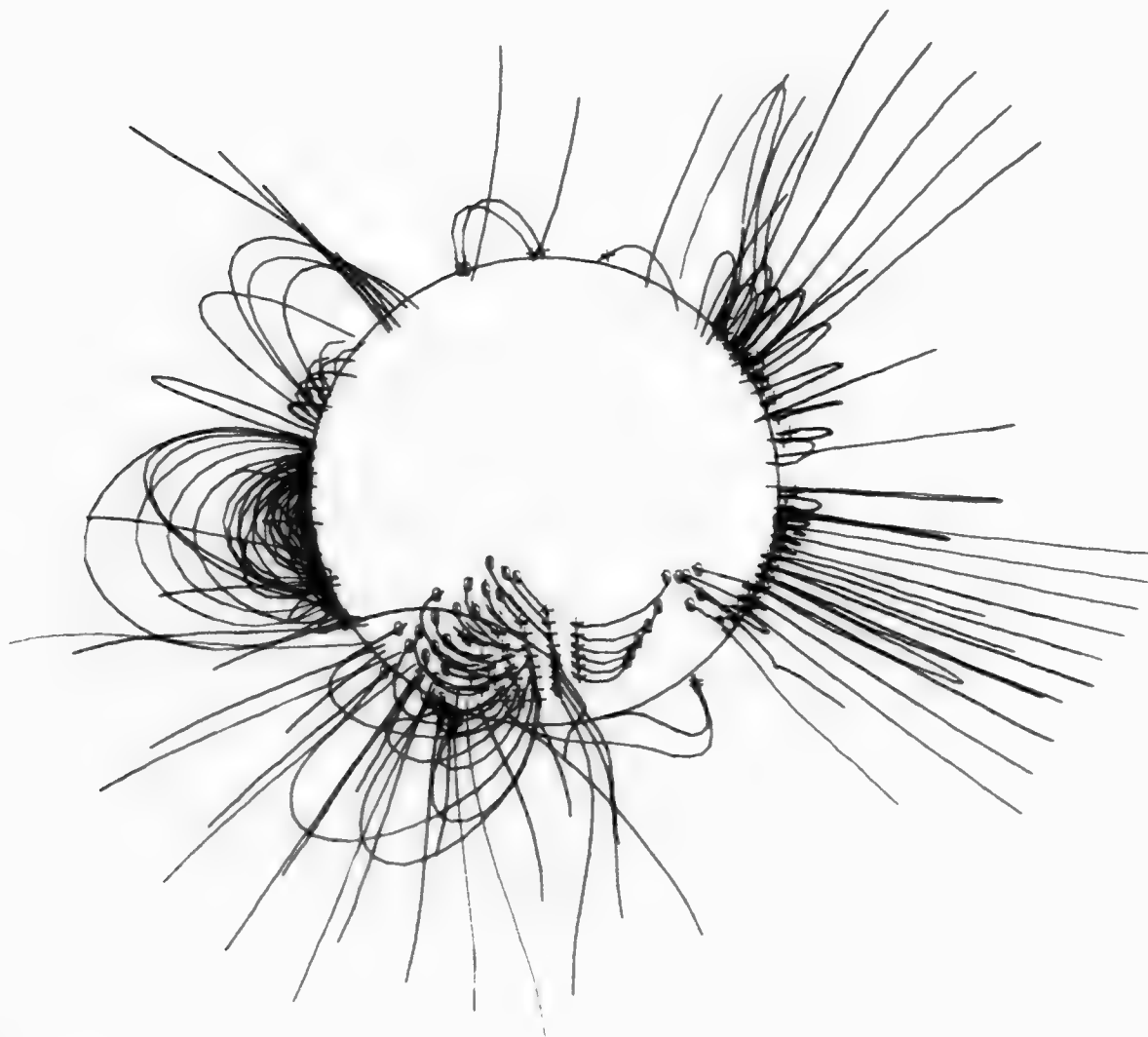
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 1950-1951
 1952-1953

HALE OBSERVATORY
 1954-1955
 1956-1957

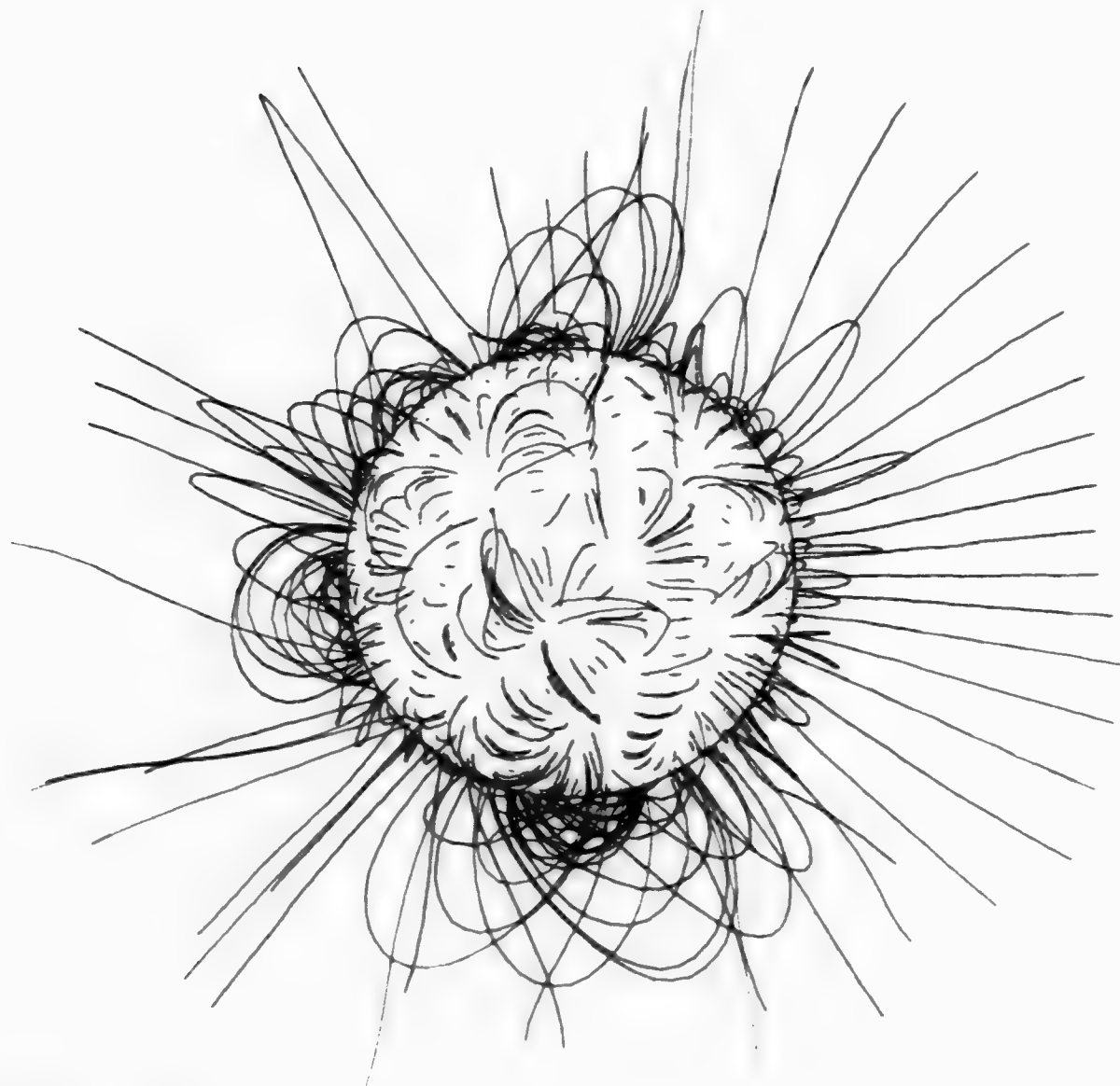
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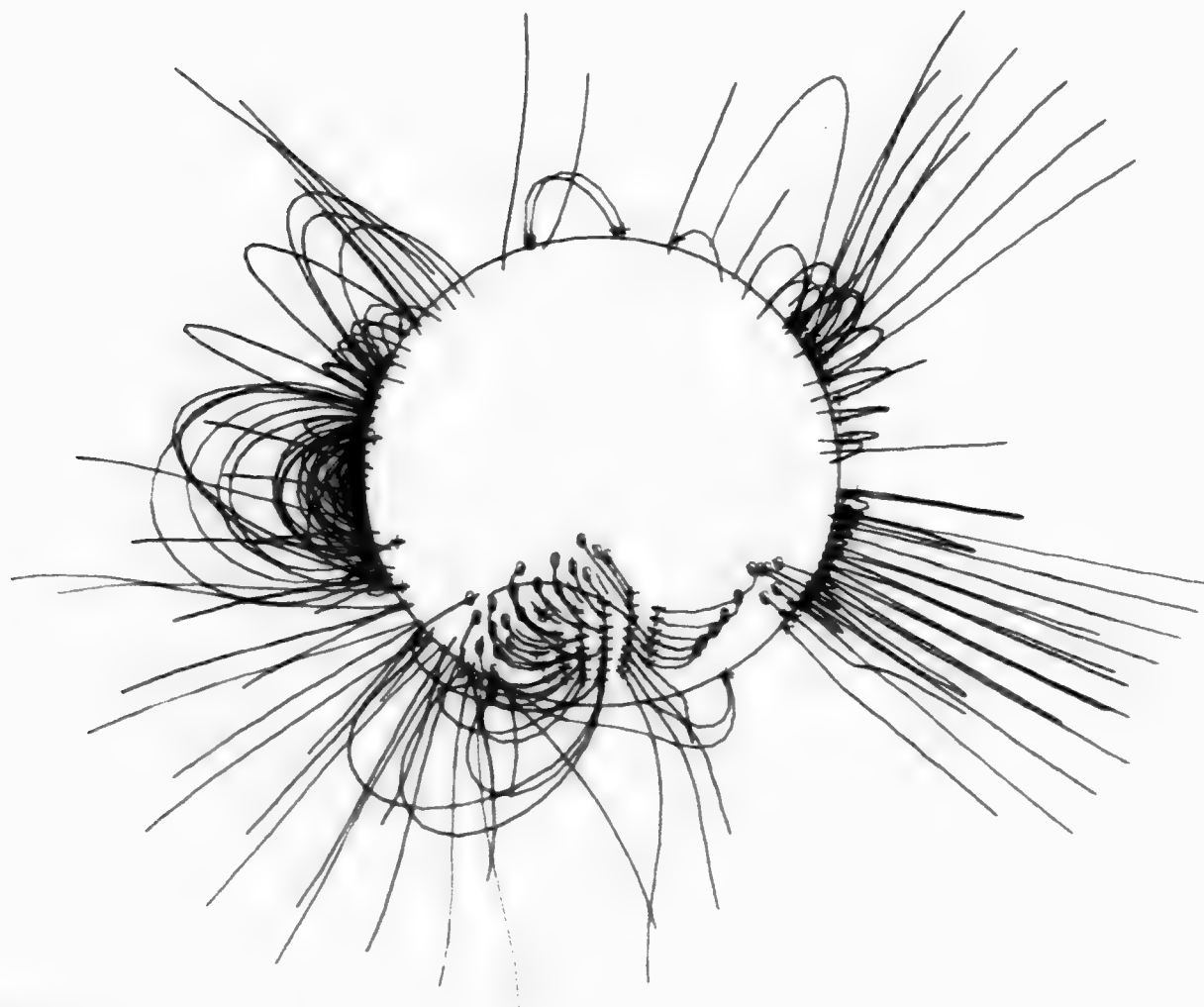
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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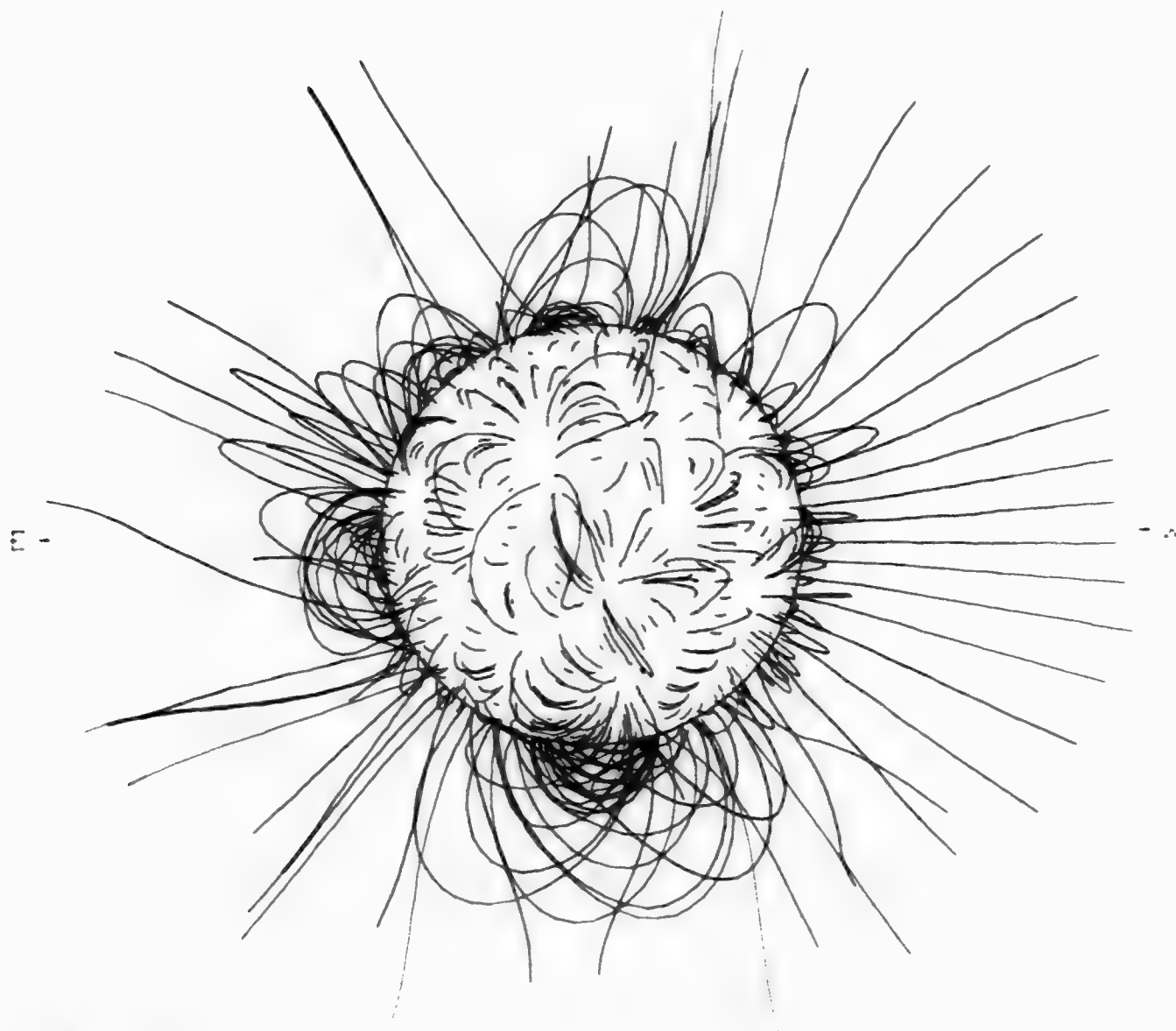
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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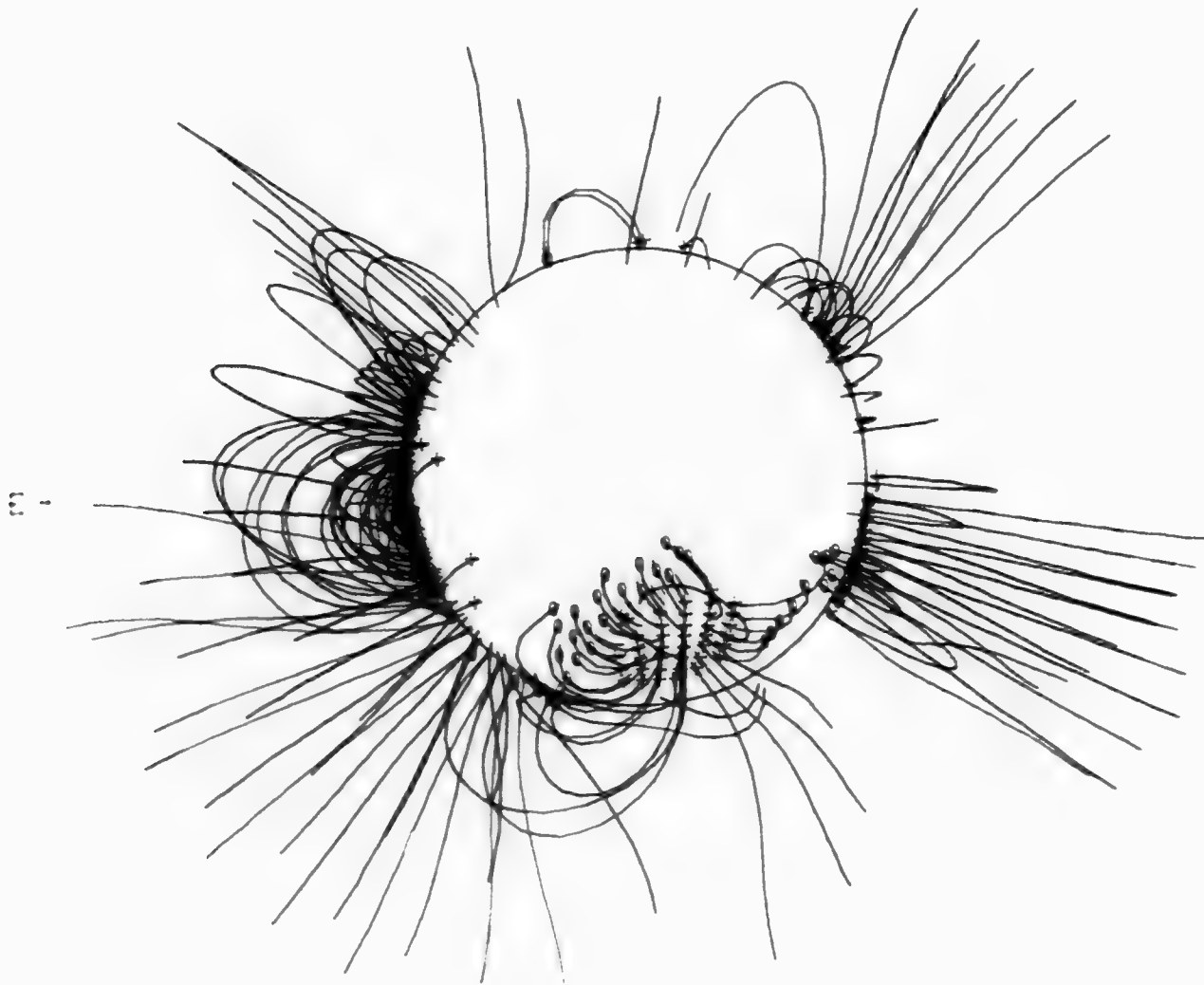
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 DATA FROM 1917-1918

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 1917-1918
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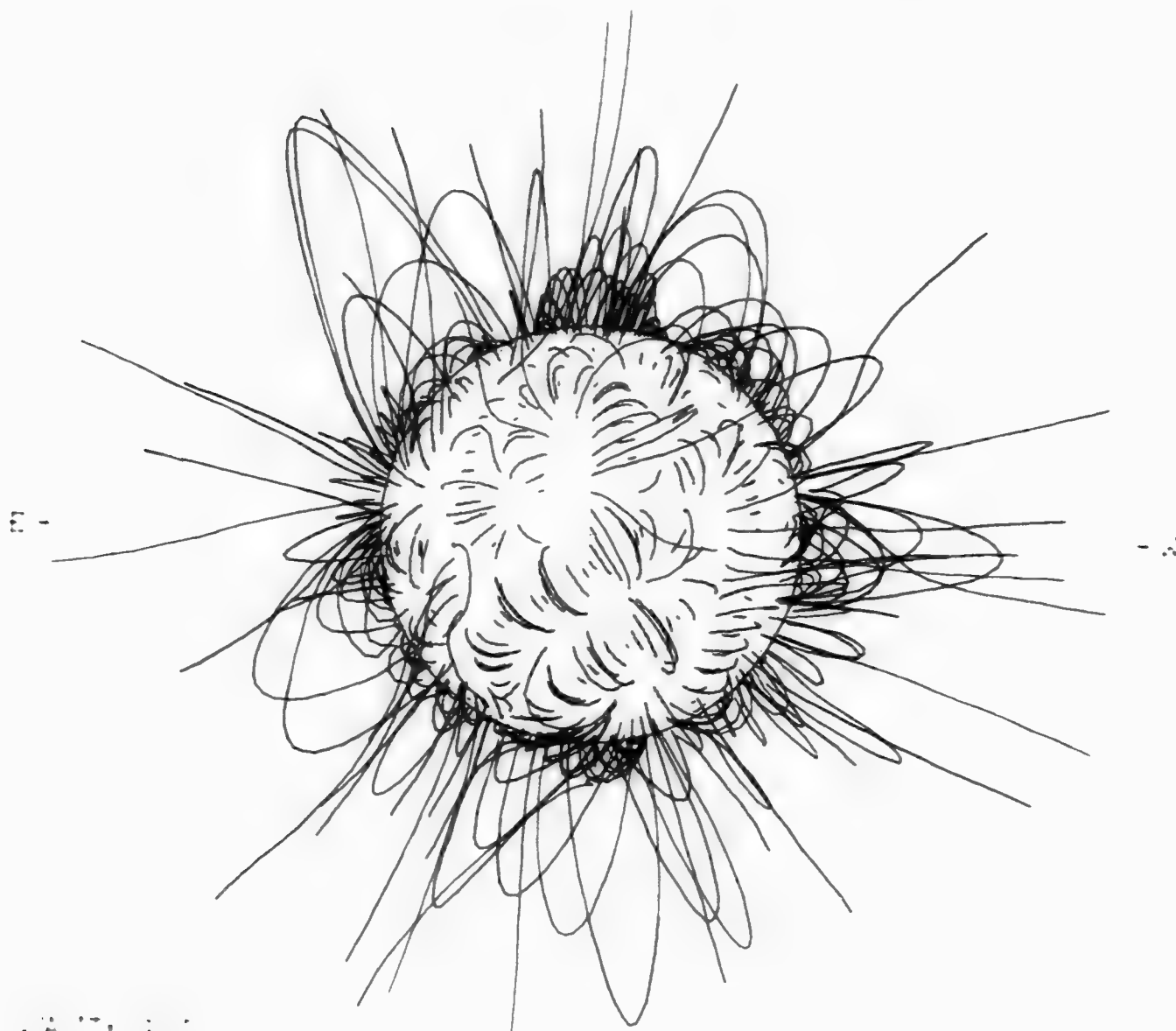
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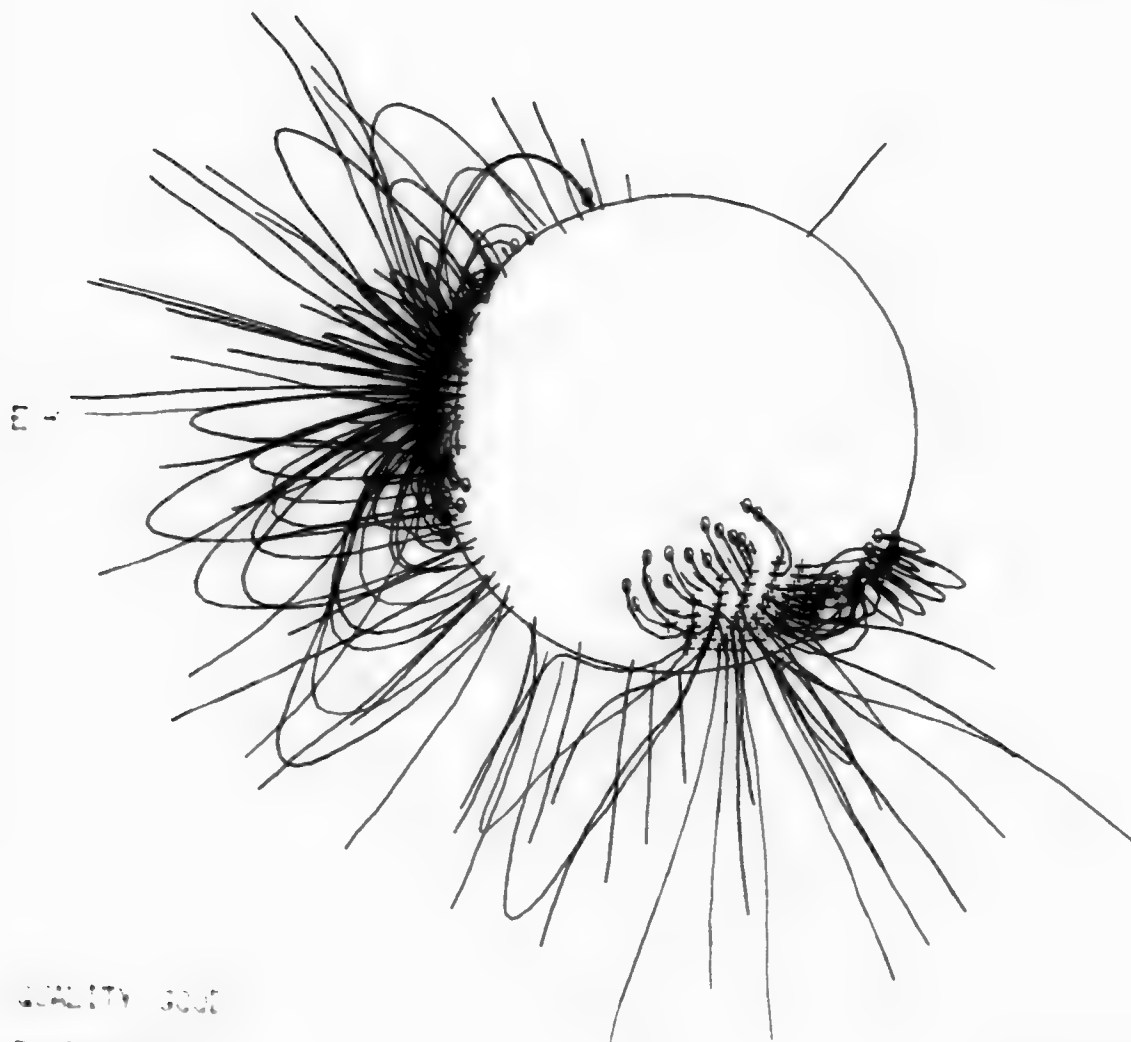
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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507. 1534 1000. 250°
 5.0 100 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 3000

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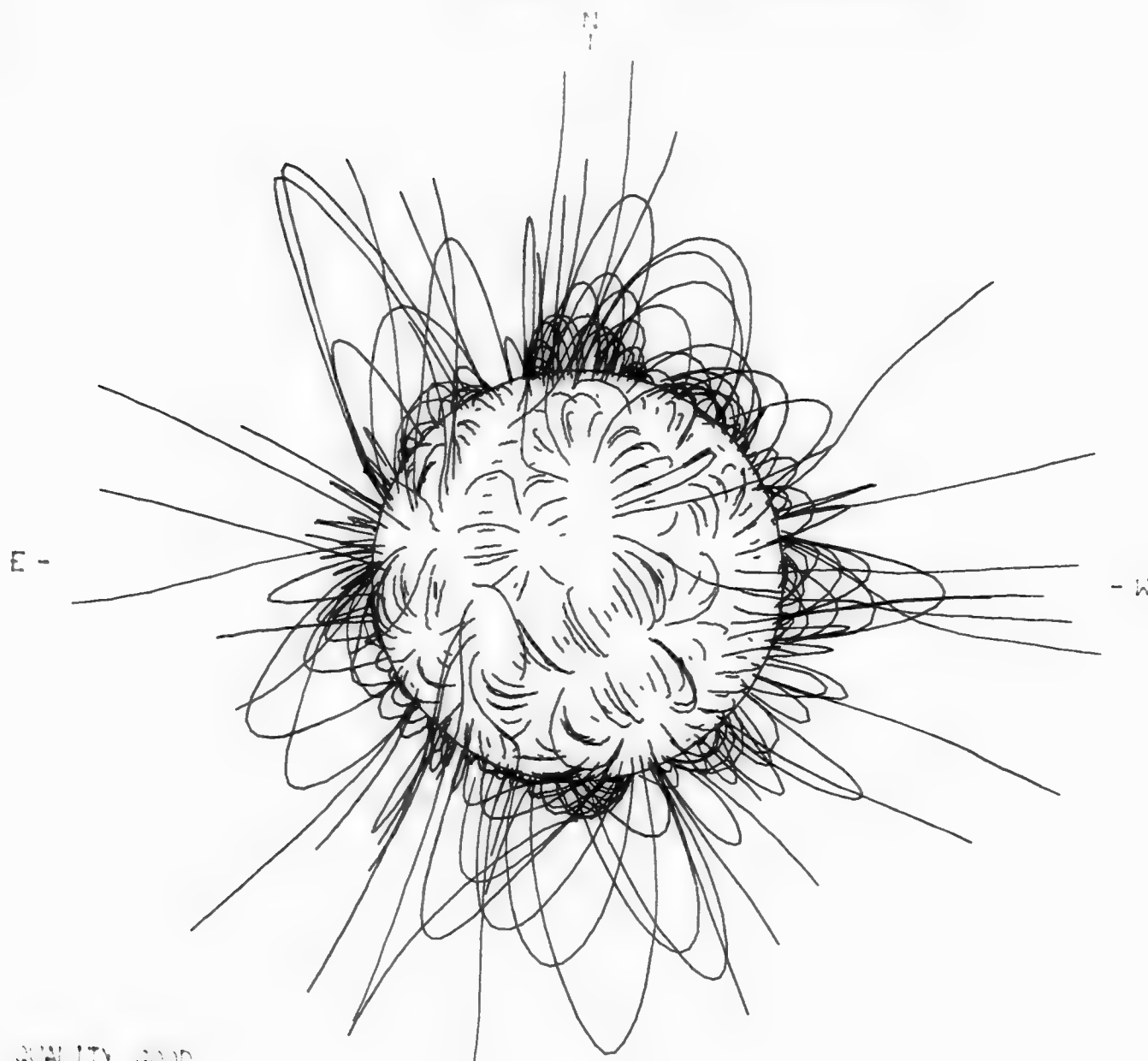
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ROT. 1534 LONG. 1534

5.0 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



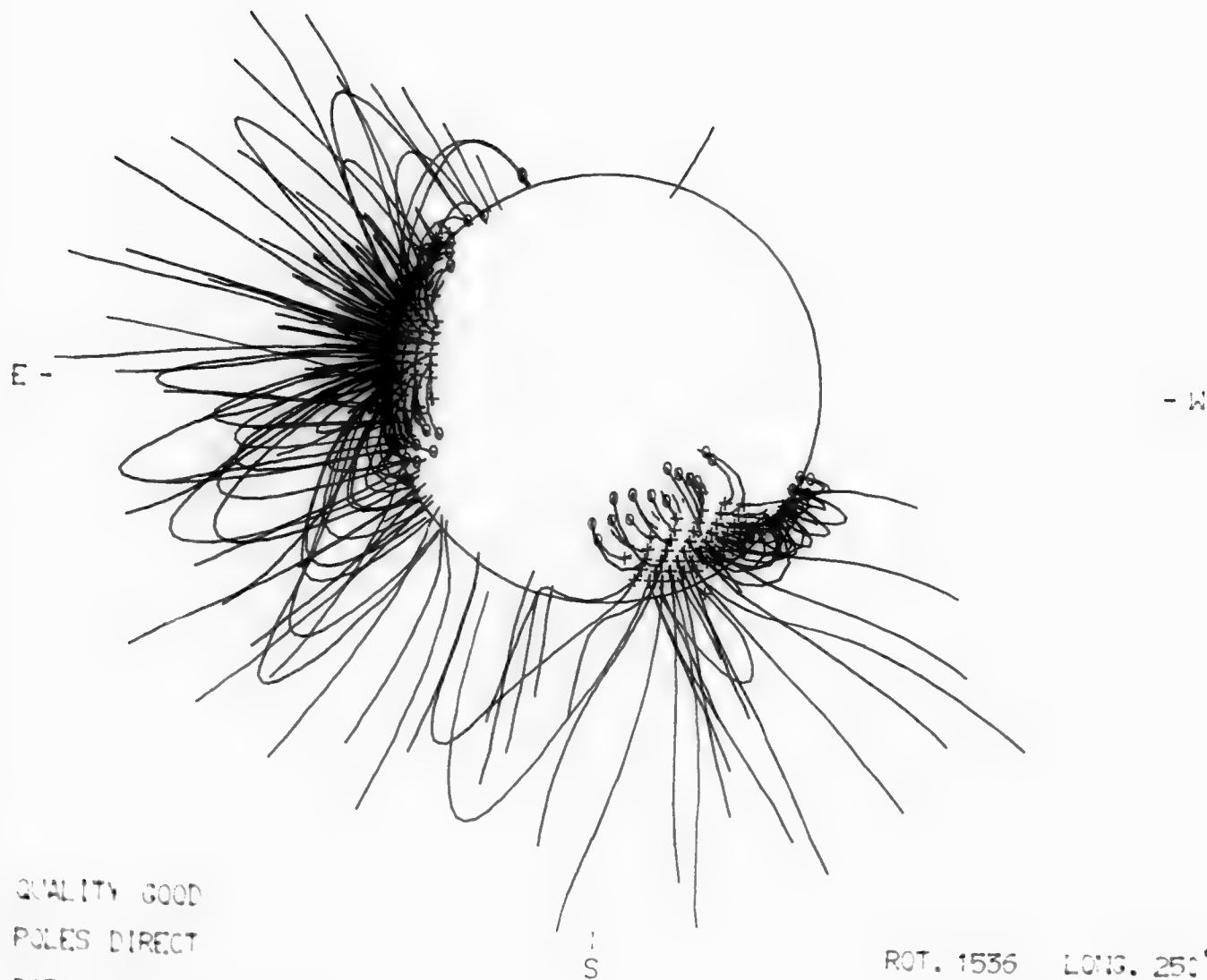
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POLES DIRECT
DATA WINDOW 1536.00

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ROT. 1536 LONG. 250°
5.7 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

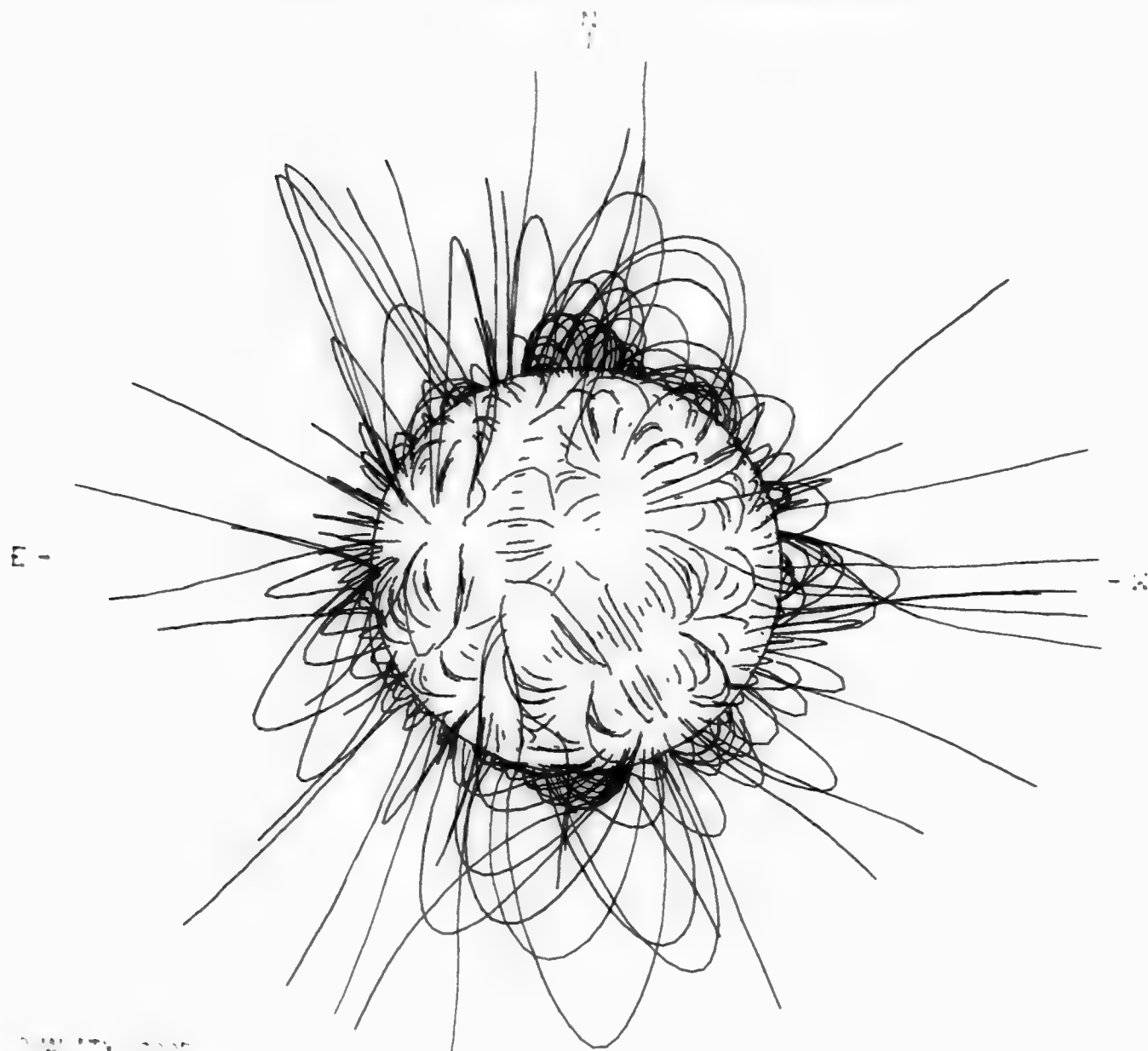
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QUALITY GOOD
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ROT. 1536 LONG. 250°
5.7 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

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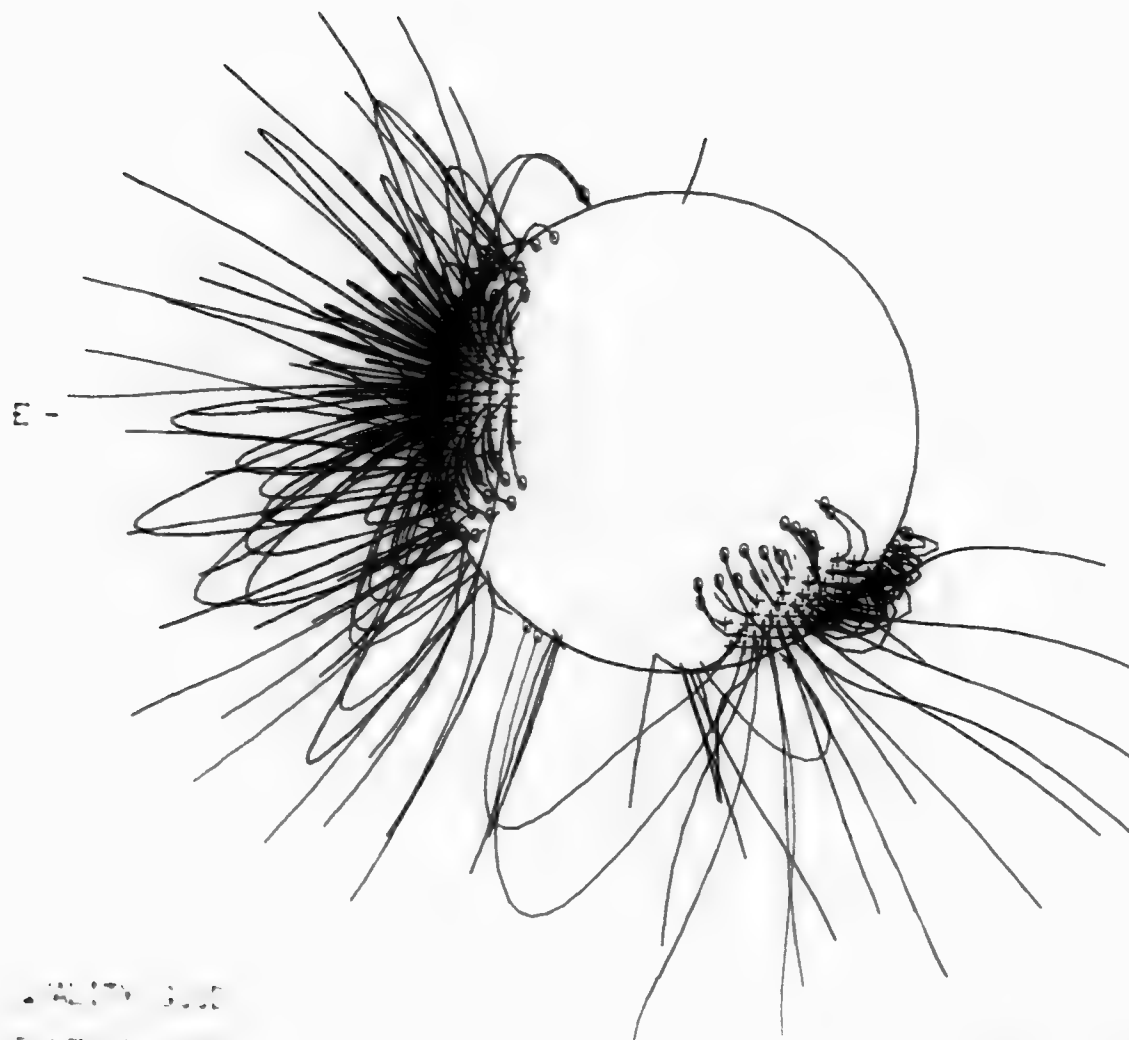
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ROT. 1536 LONG. 240°

6.5 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

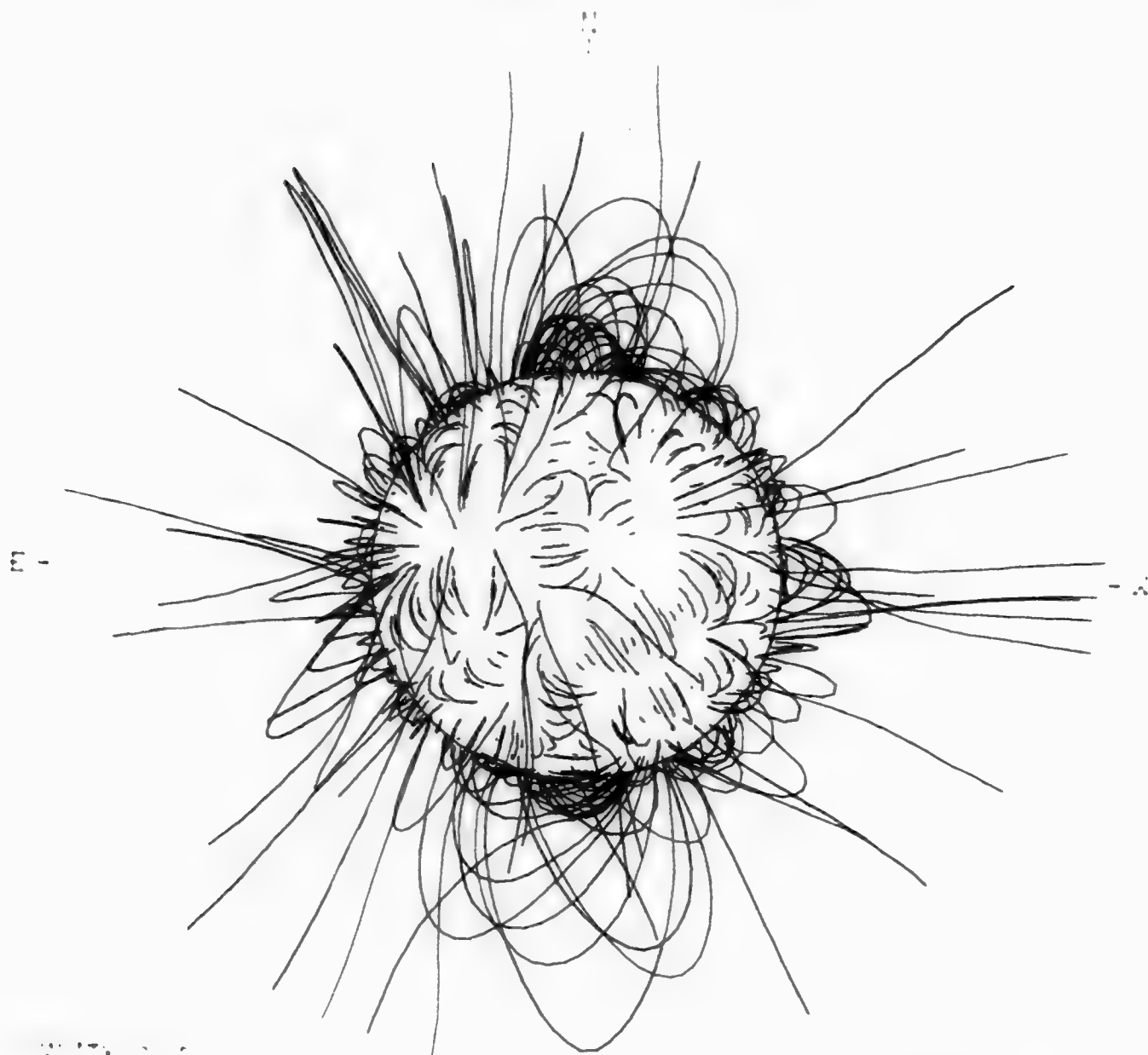


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ROT. 1536 1113.241°
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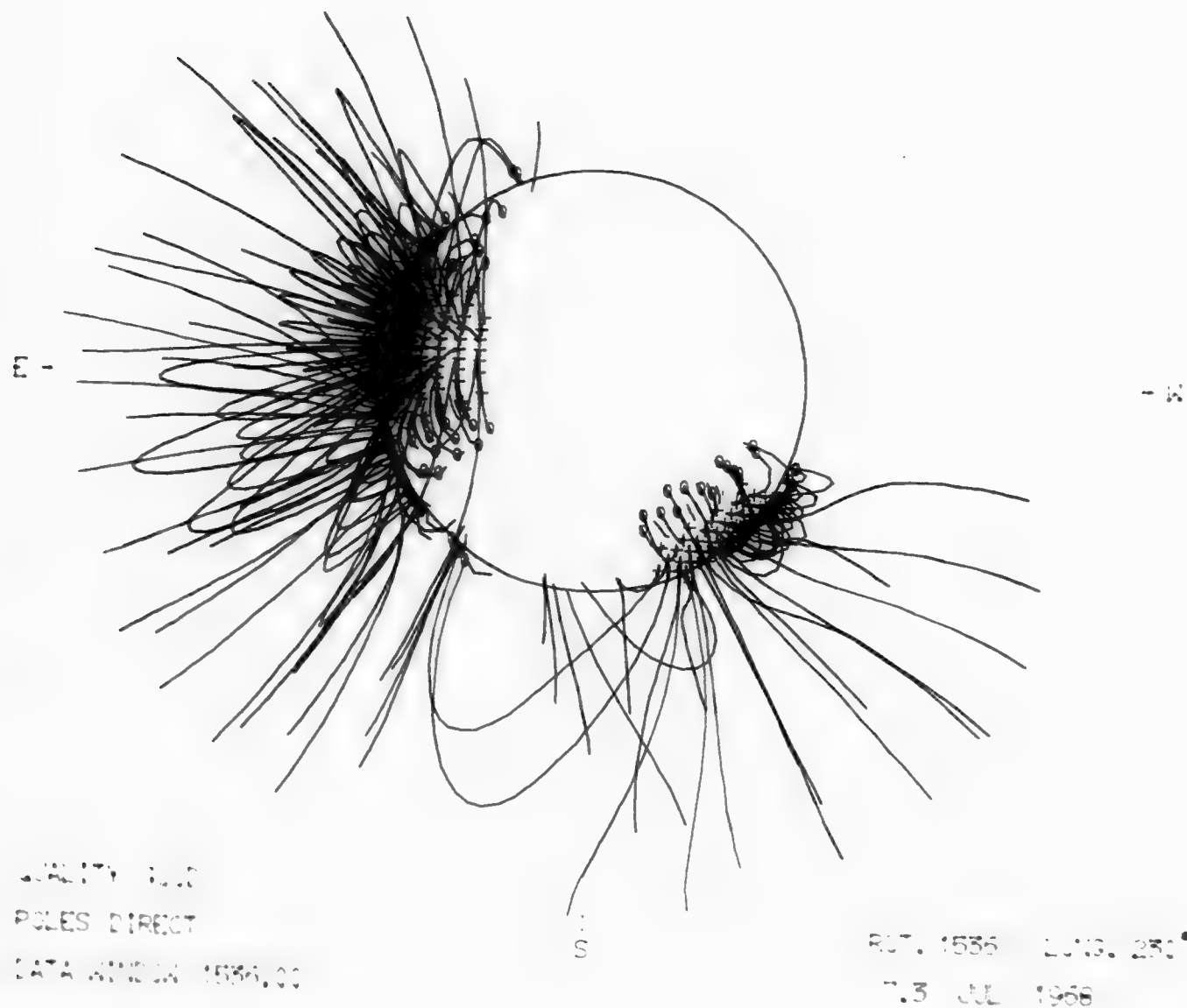


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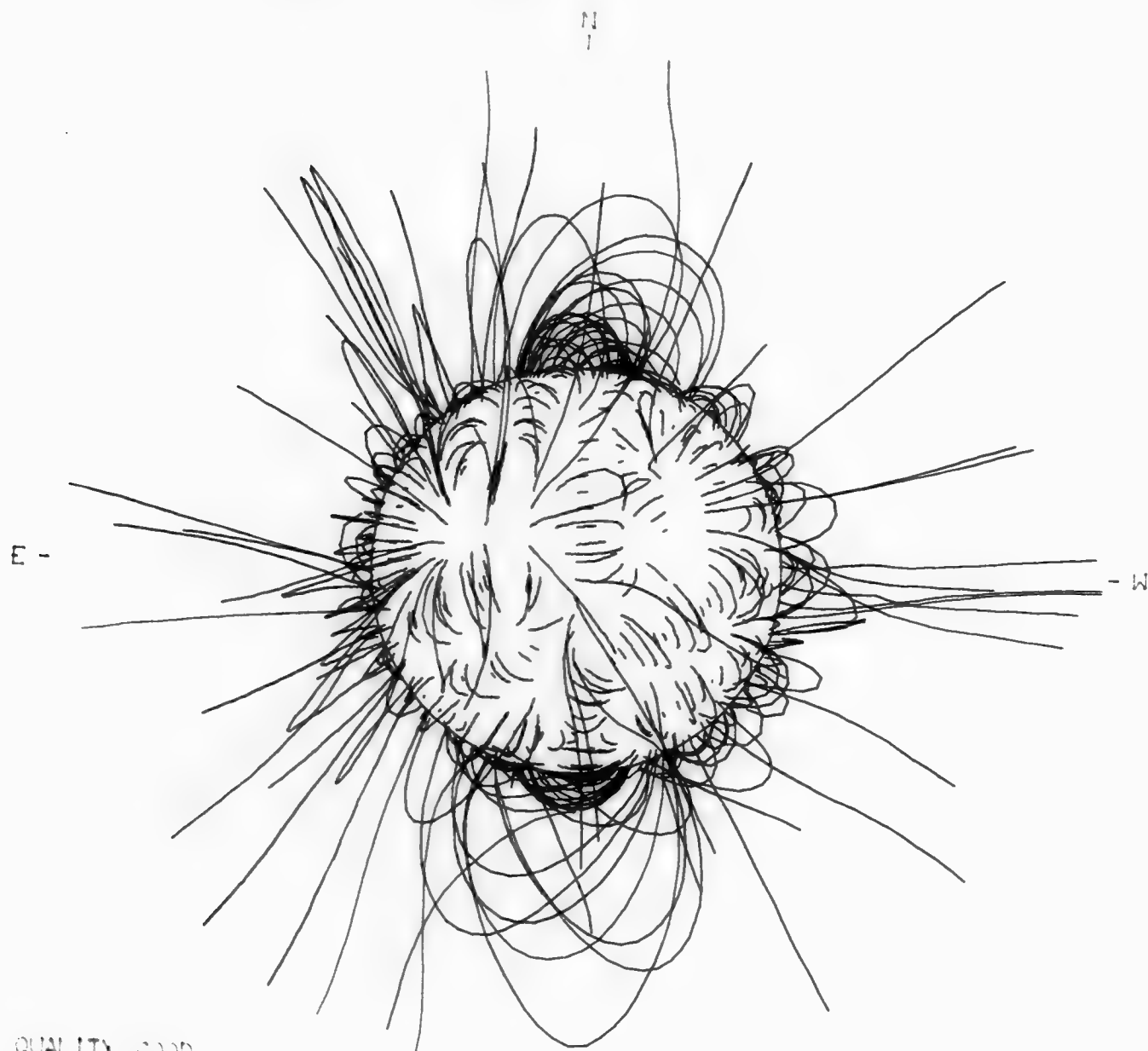
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



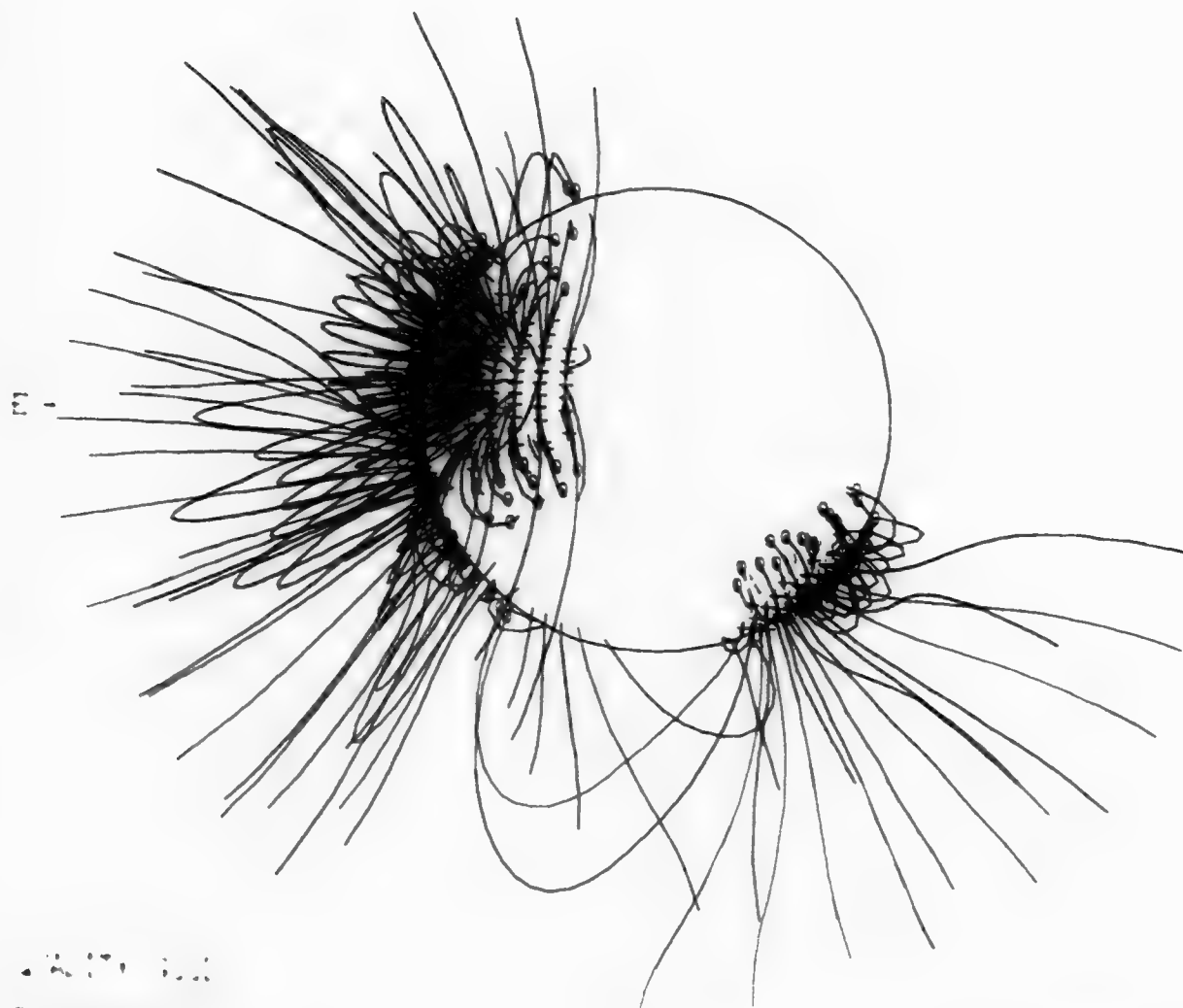
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POLES DIRECT
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ROT. 1536 LONG. 220°
8.0 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

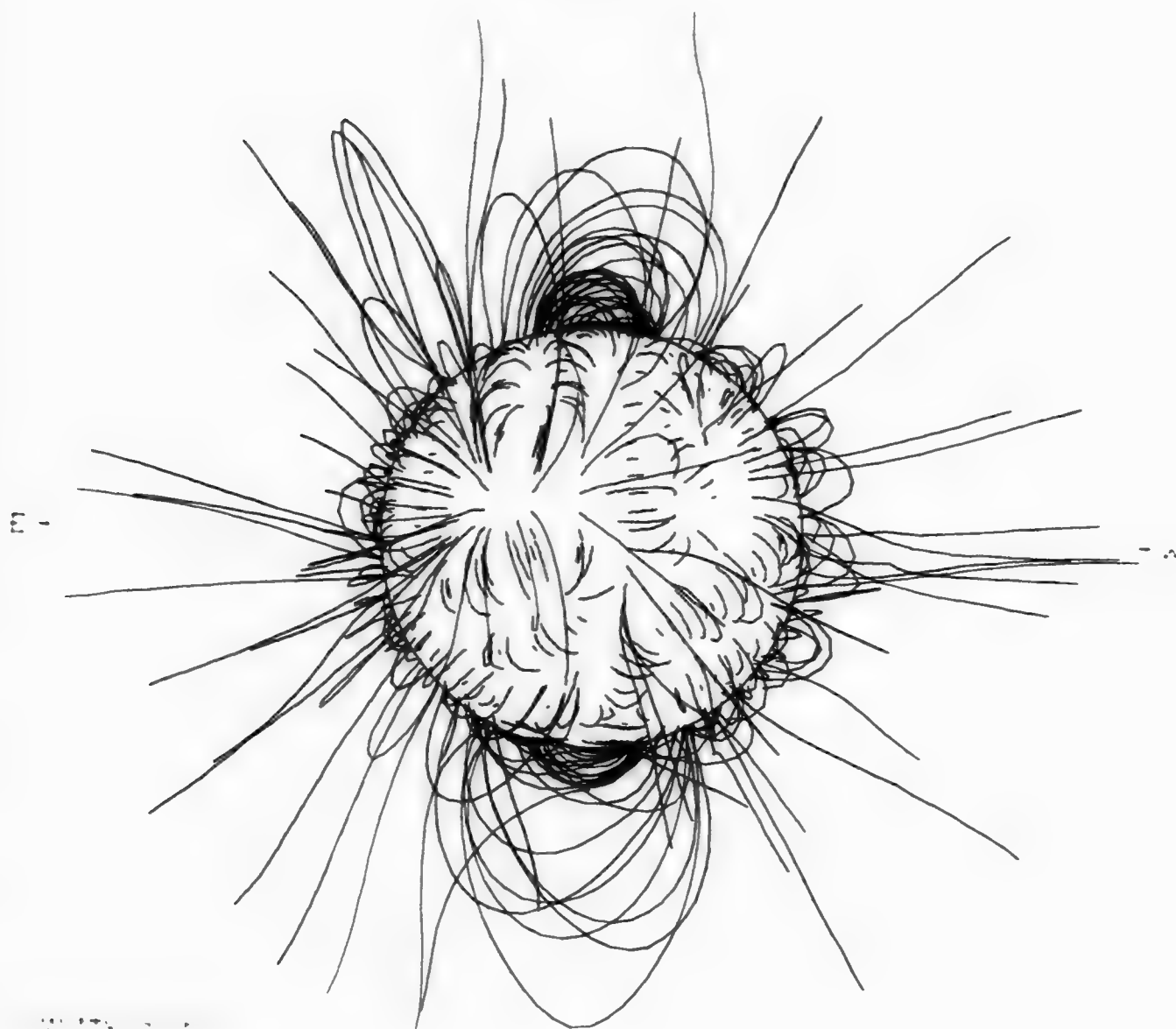
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PAID BY THE
DIRECTOR
OF THE BUREAU OF THE CENSUS

THE UNIVERSITY OF CHICAGO

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



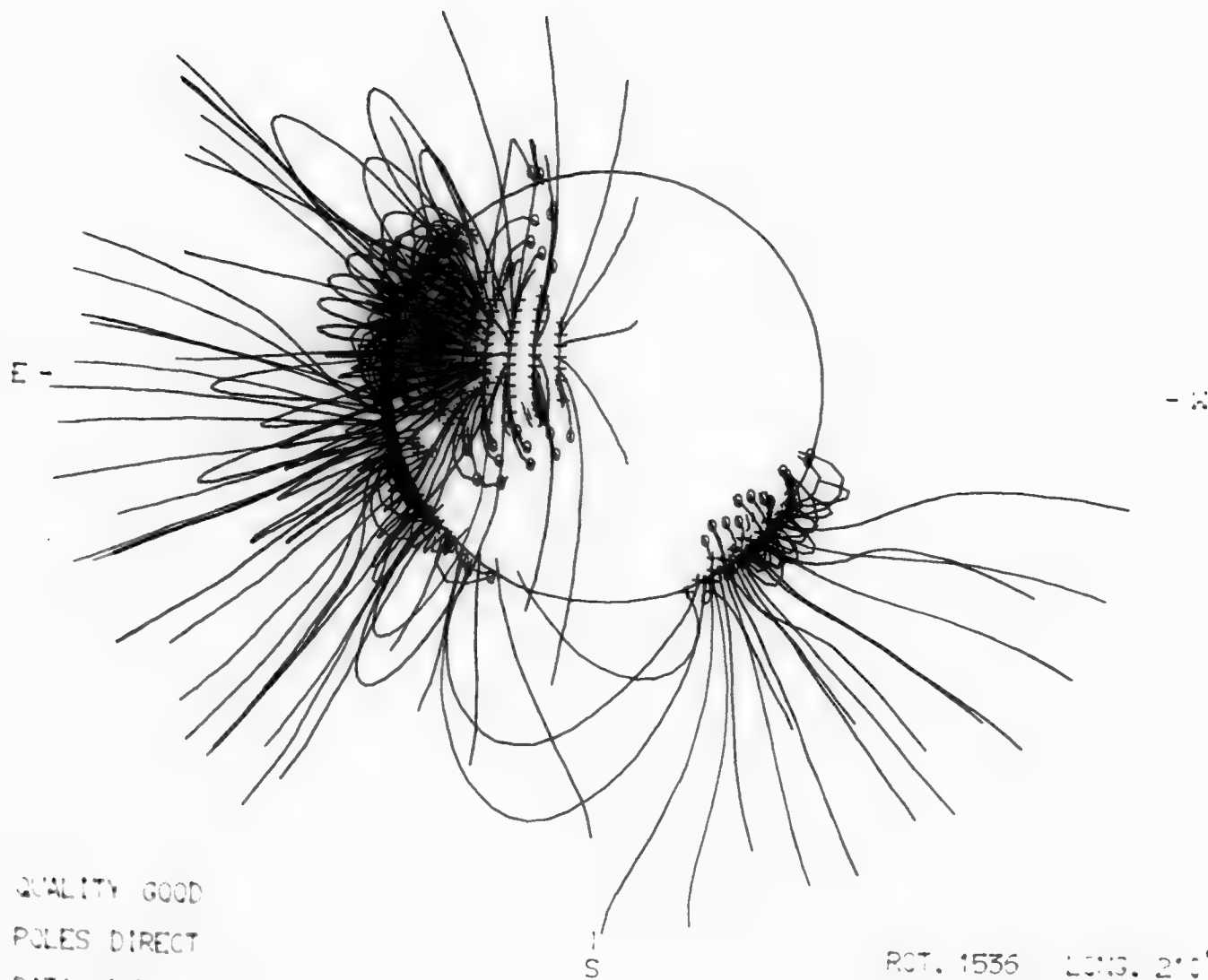
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8.8 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

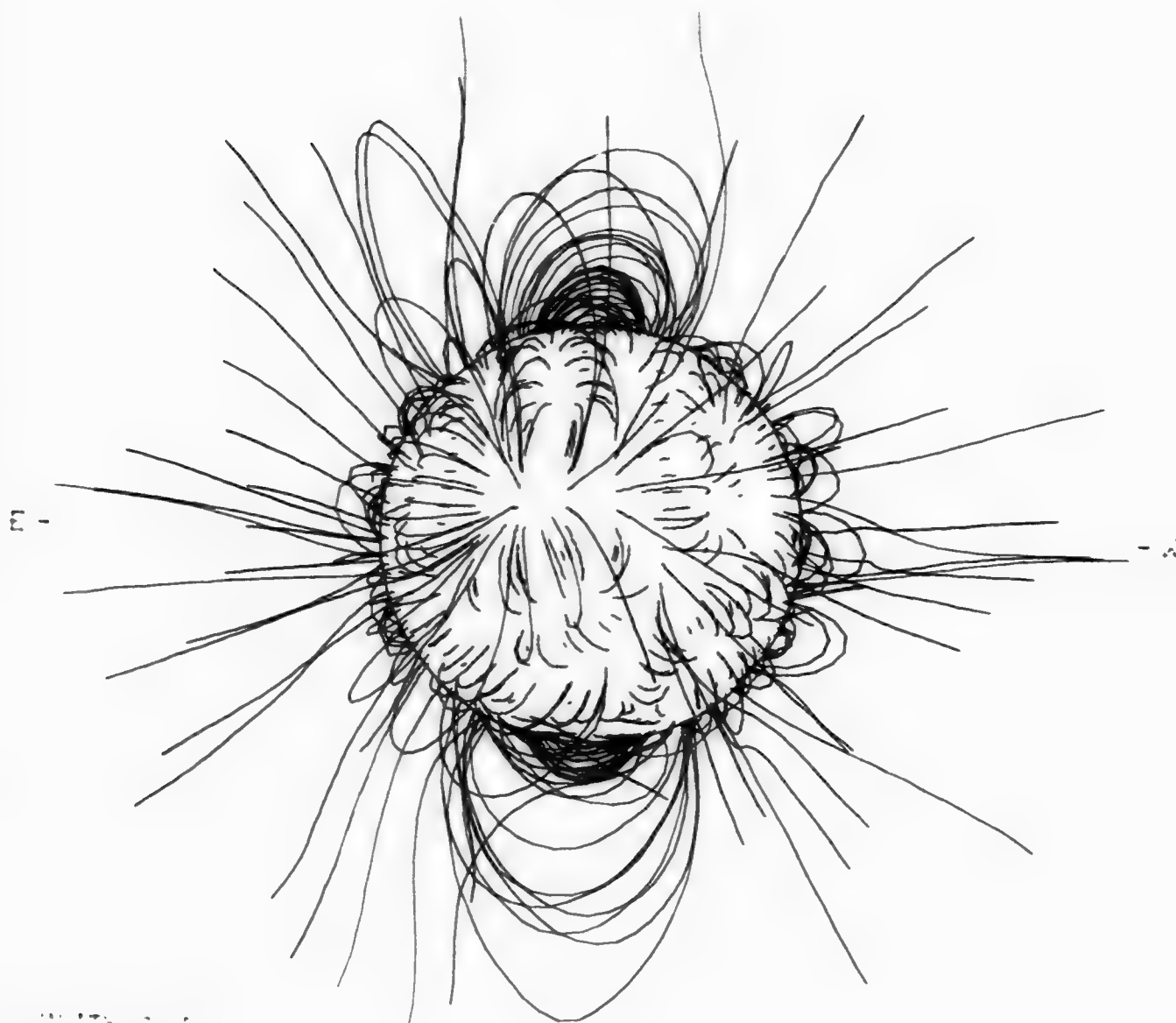
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QUALITY GOOD
POLES DIRECT
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ROT. 1536 LONG. 210°
8.8 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

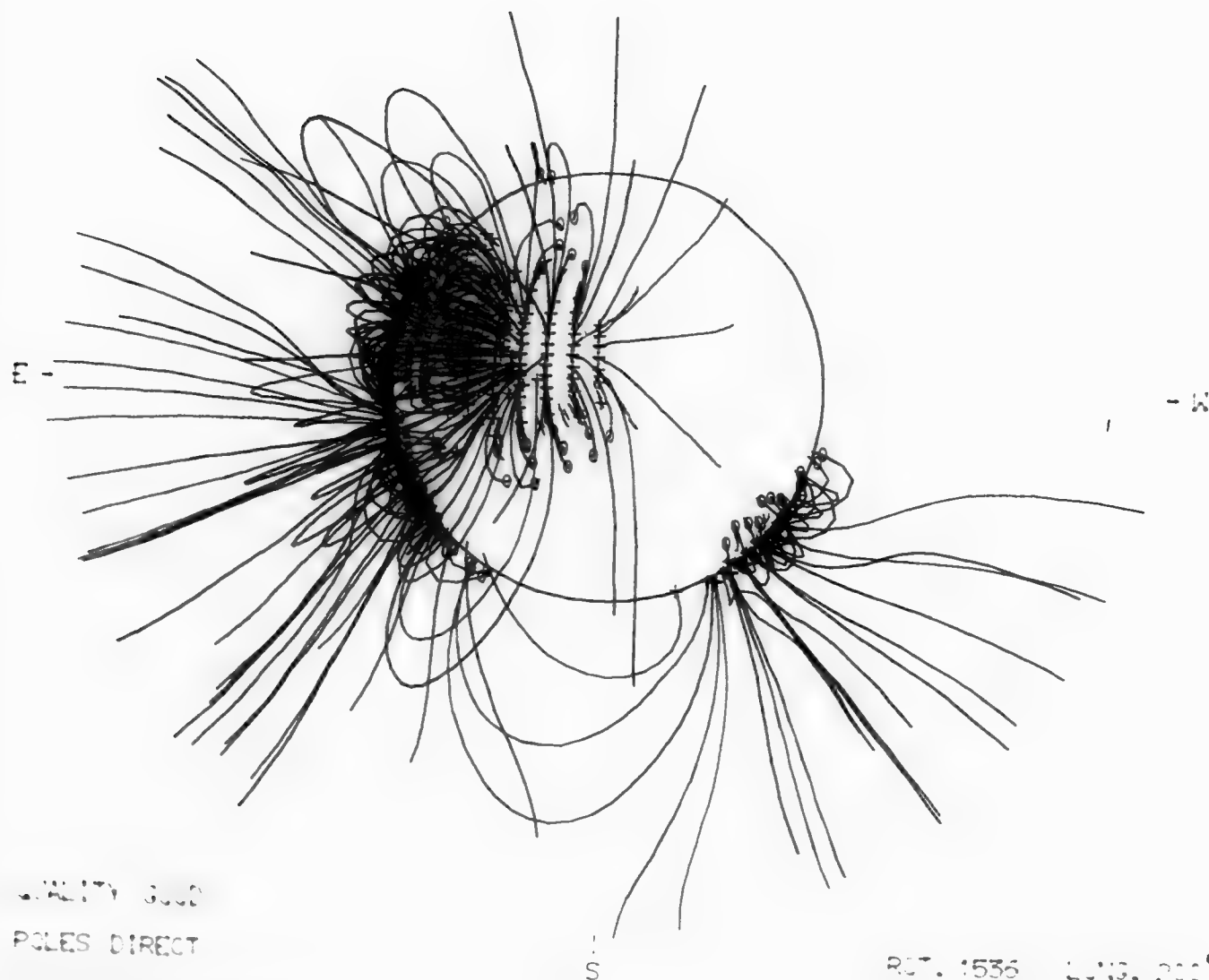


QUALITY 3.00
FILES DIRECT
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ROT. 1536 LONG. 211°
9.5 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 3000

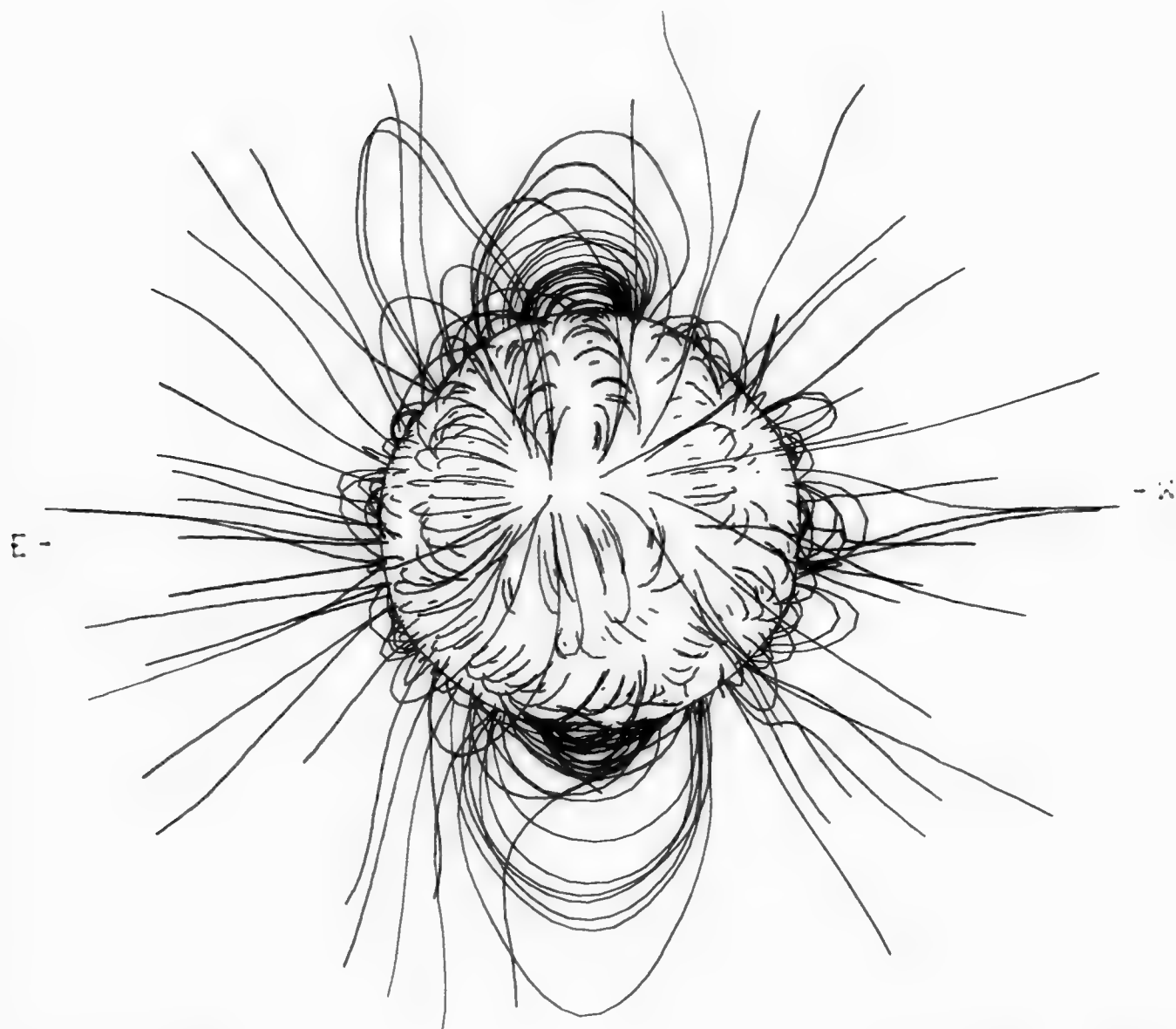
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DATA WINDOW 1536.00

ROT. 1536 LONG. 200°

9.5 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

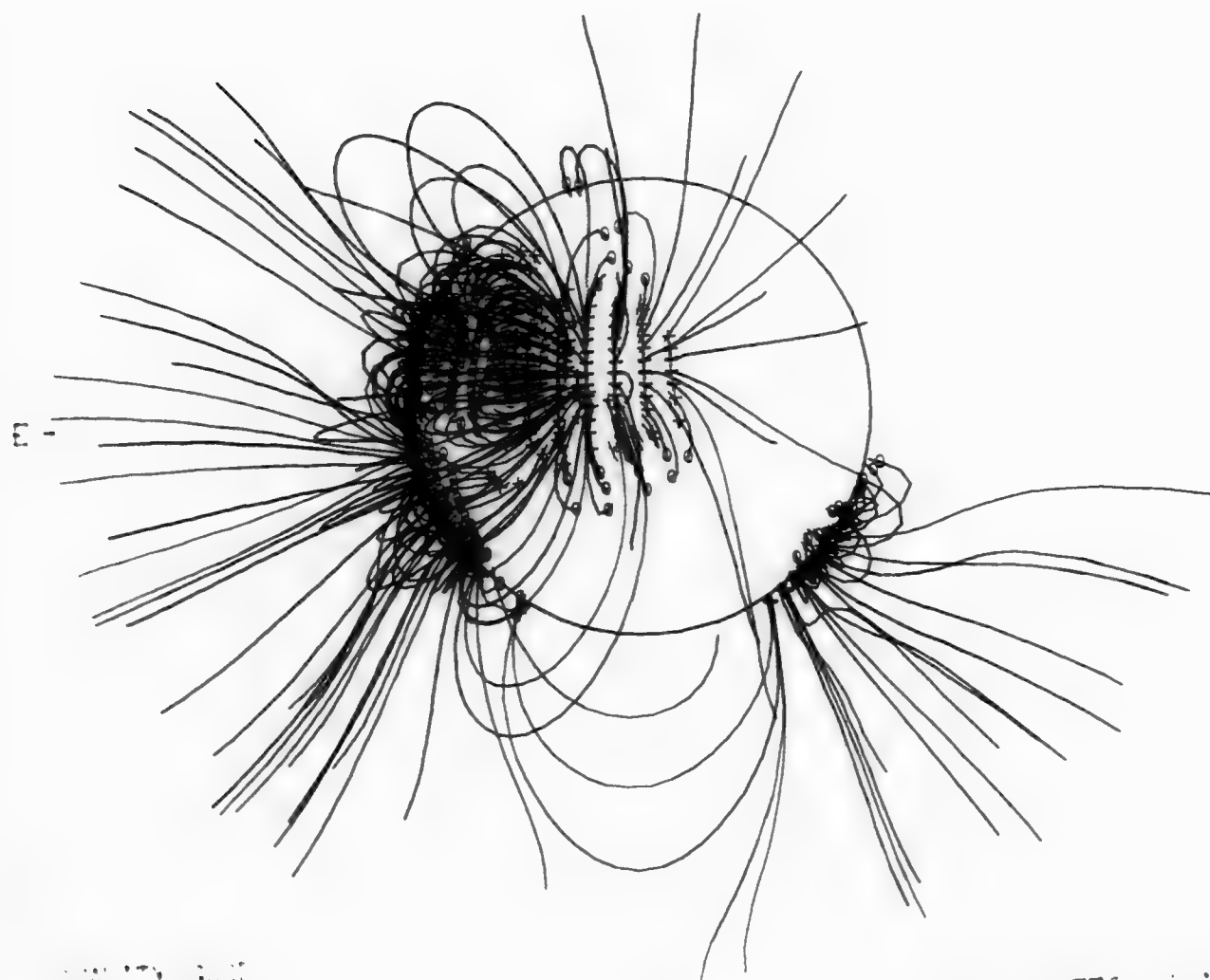


QUALITY GOOD
POLES DIRECT
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RCT. 1536 LONG. 190°
10.3 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

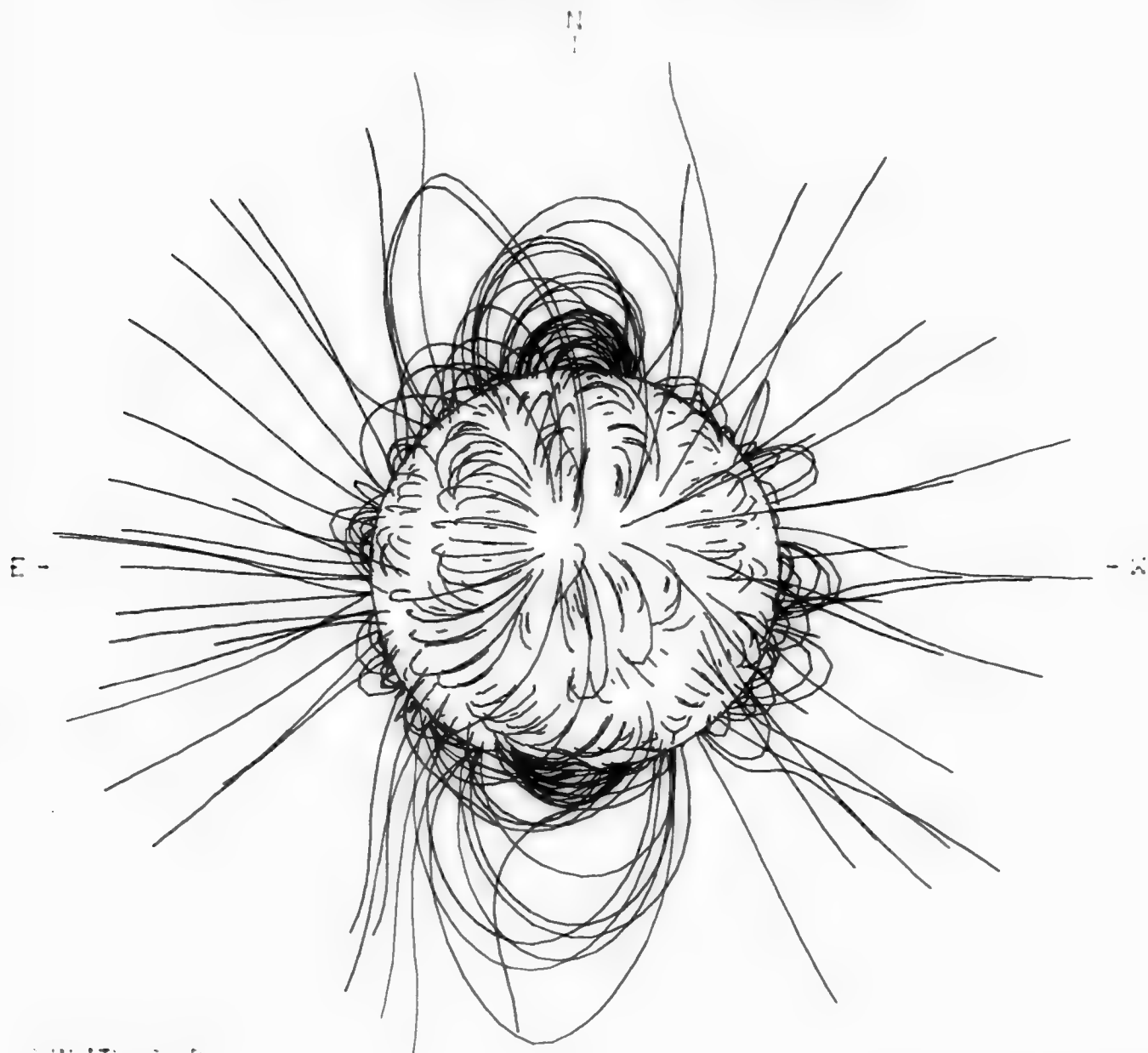


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ROT. 1536 LONG. 190°
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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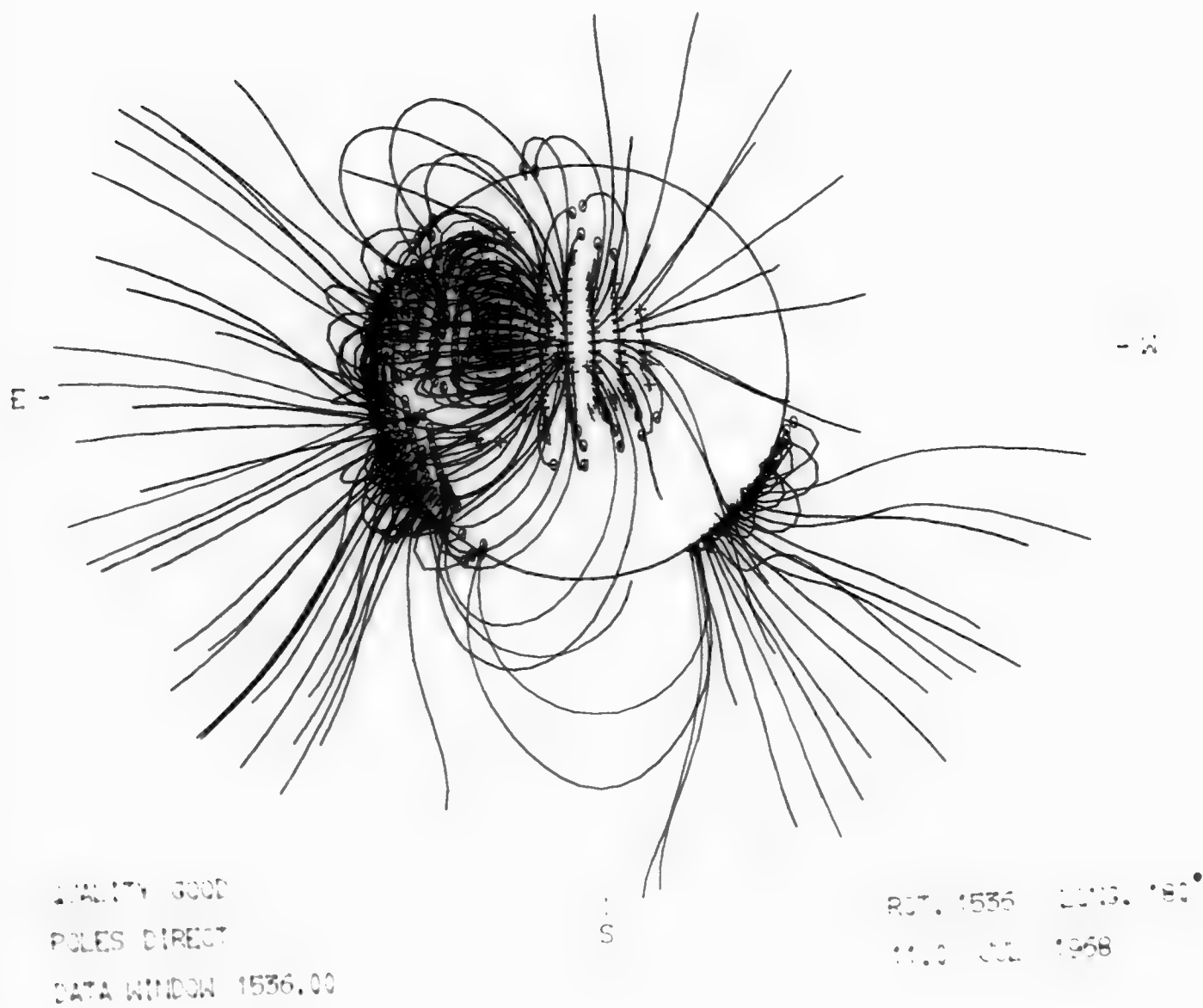
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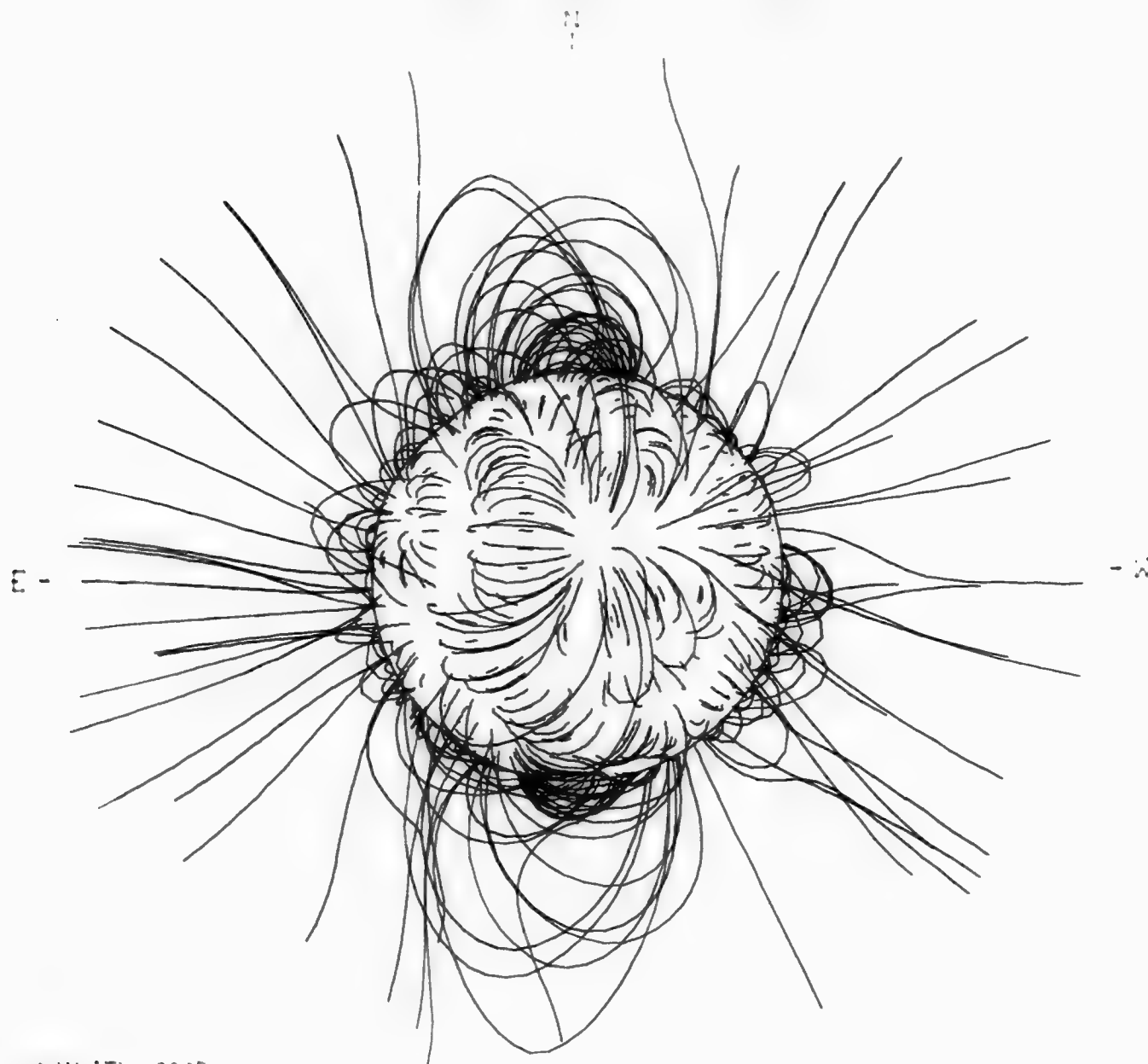
ROT. 1536 LONG. 180°

11.0 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

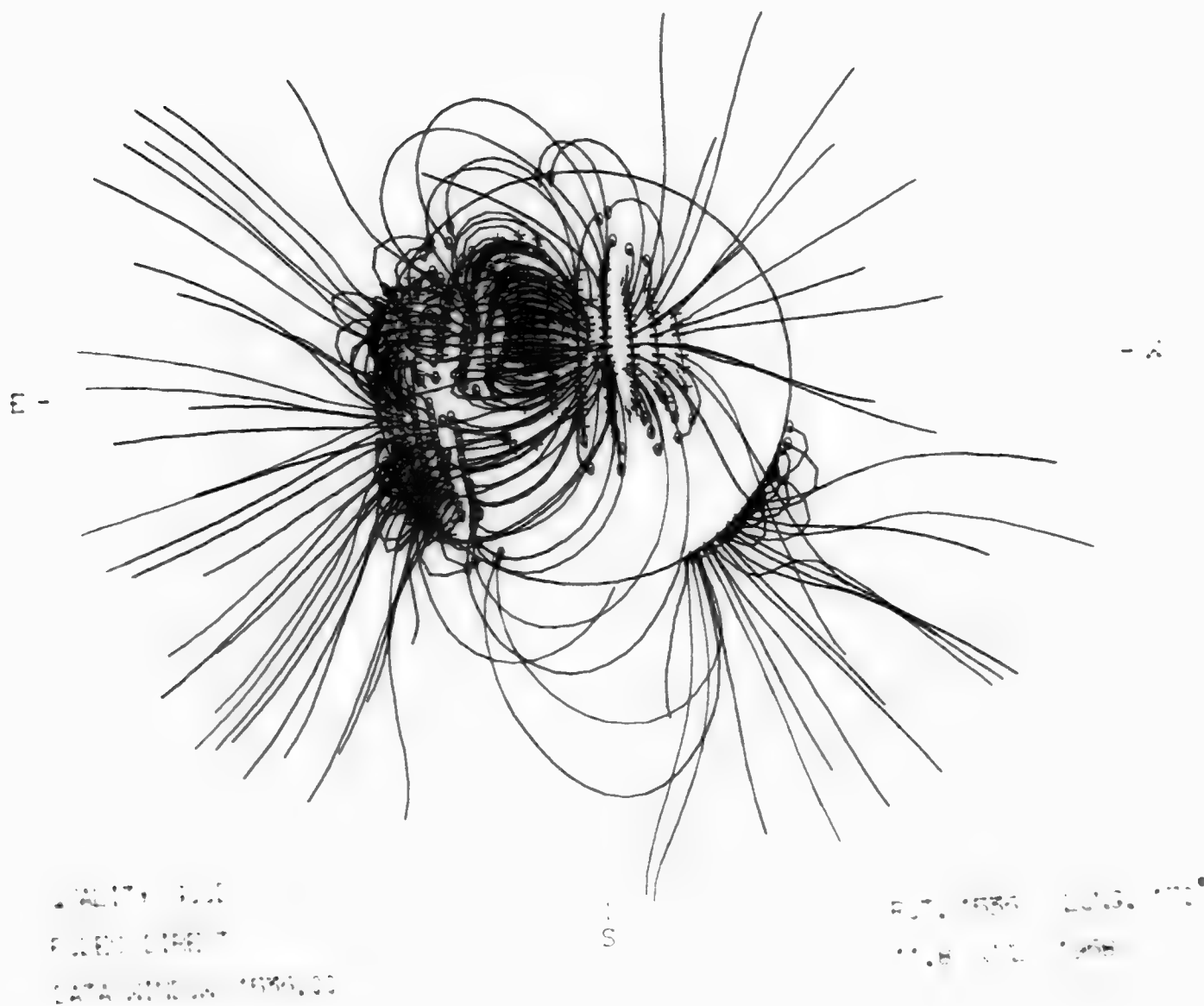
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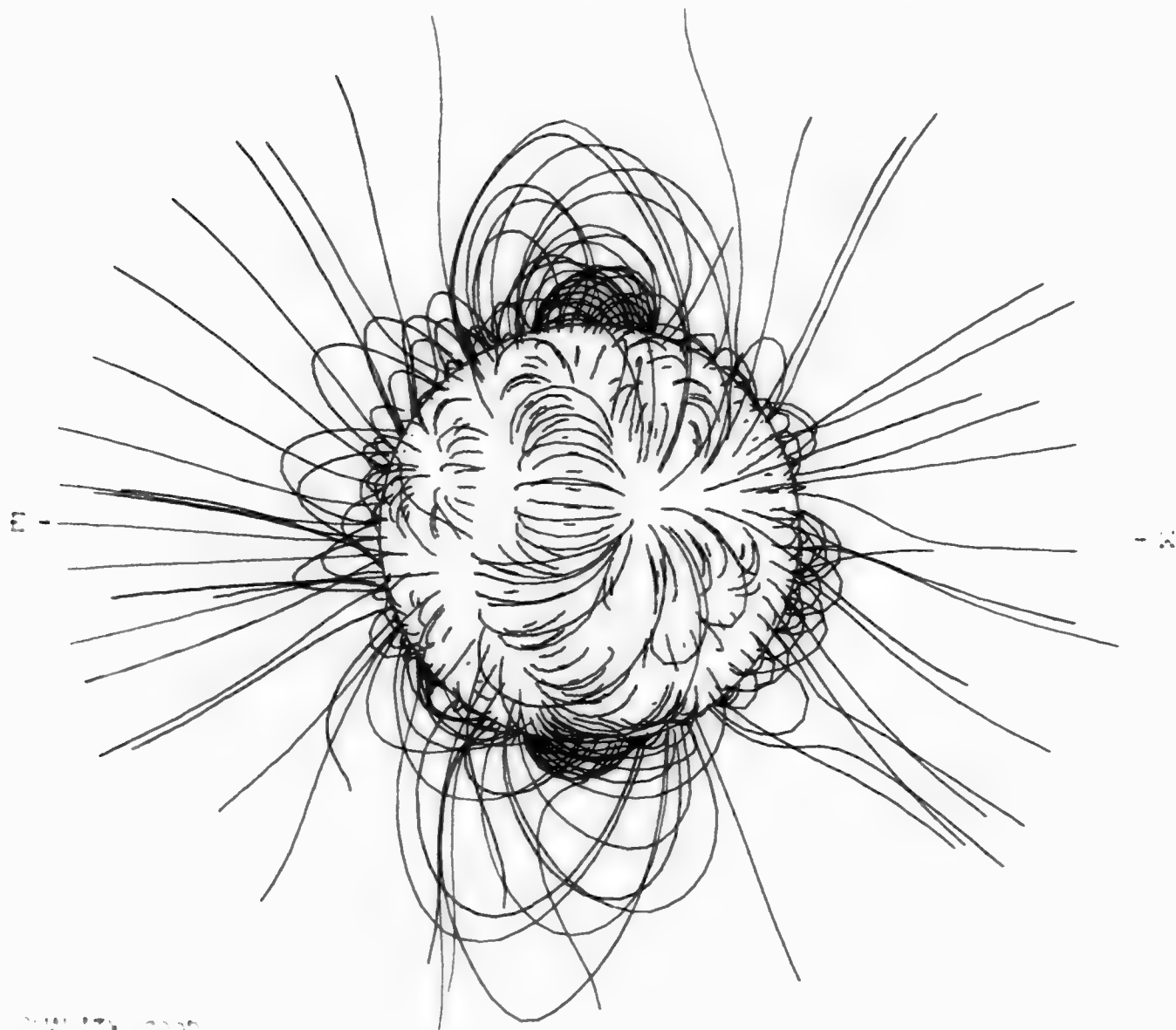
ROT. 1536 LONG. 170°

11.8 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

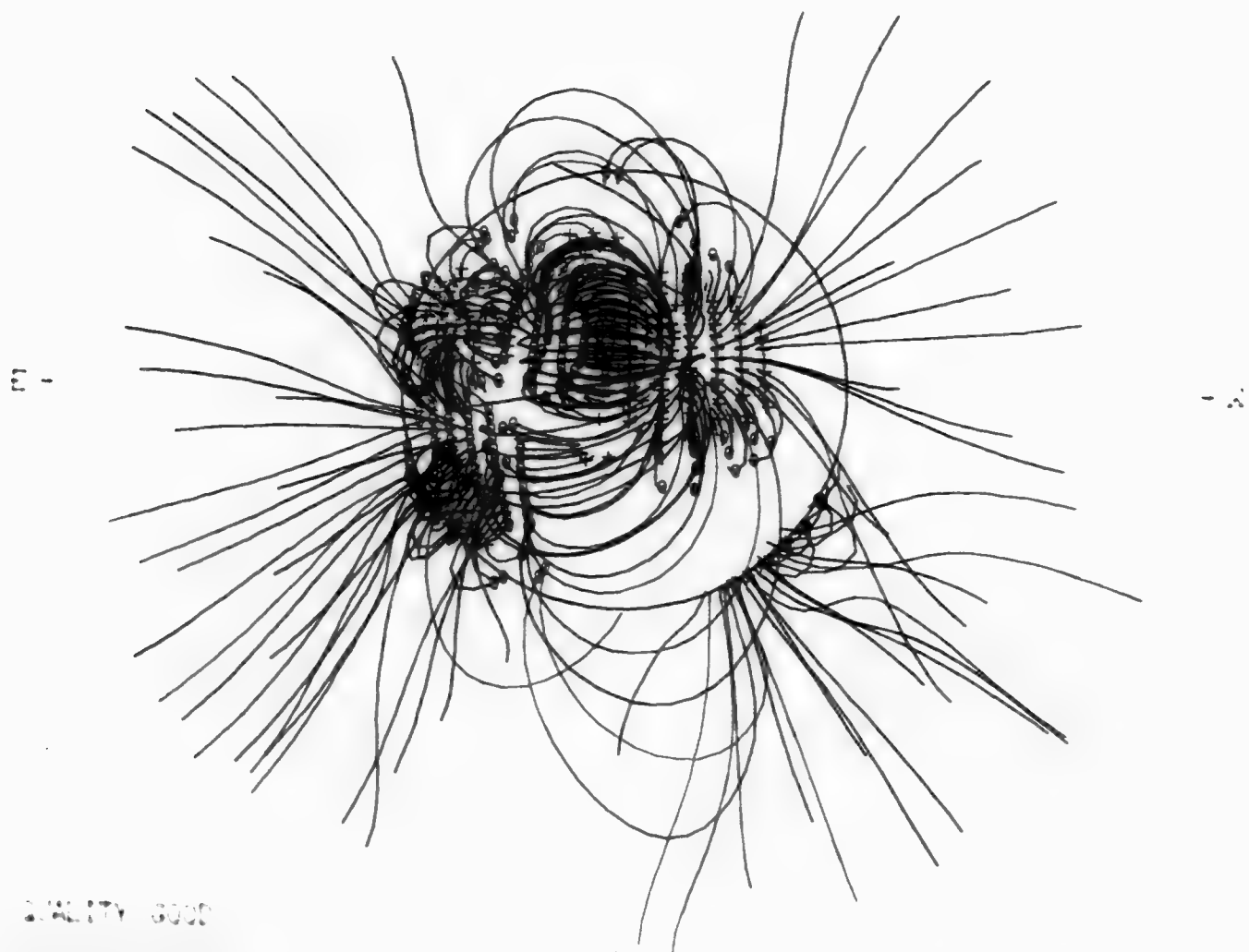
DATA WIND IN 1530.00

ROT. 1536 LONG. 140°

12.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

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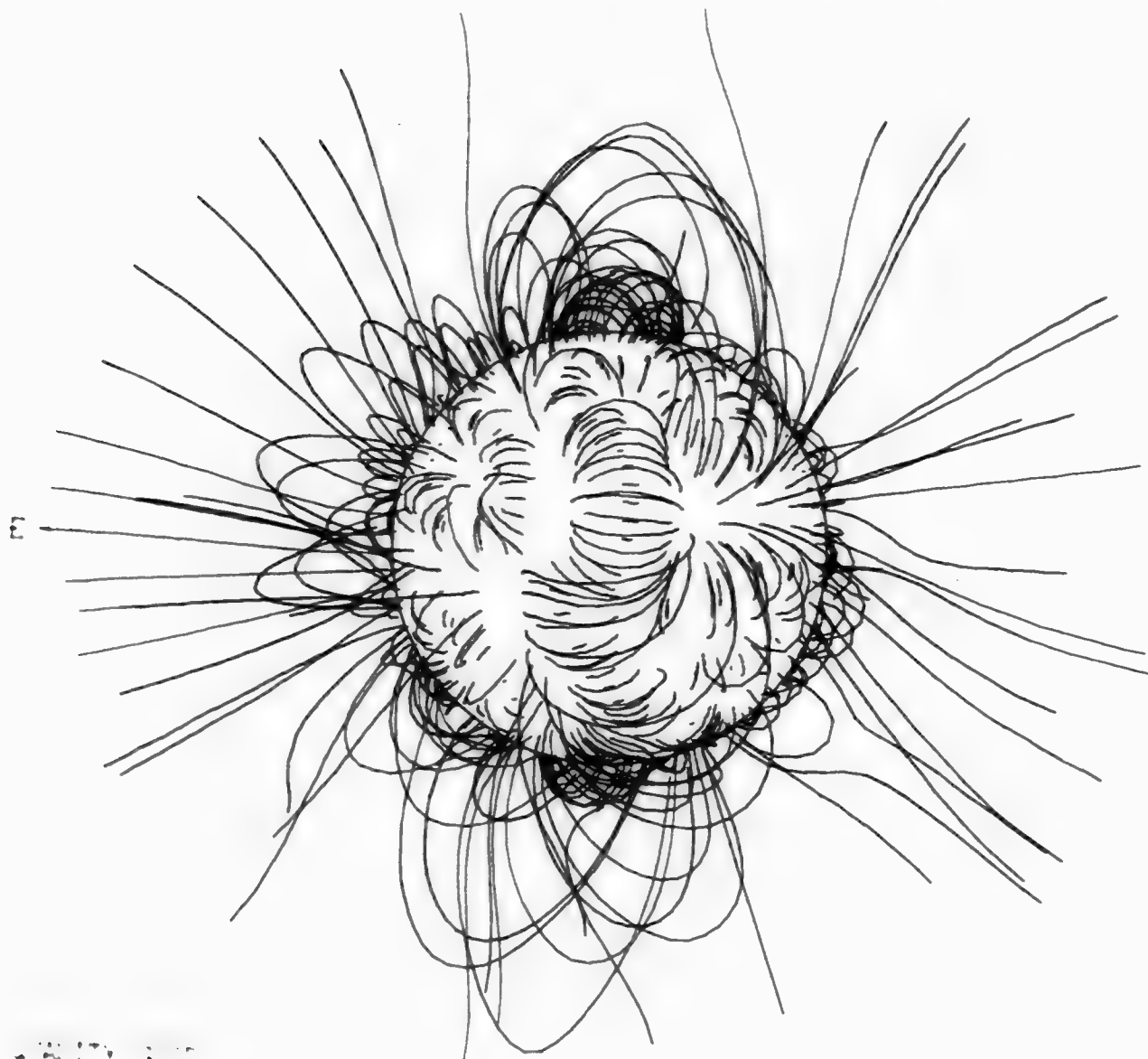
DATA WINDOW 1536.00

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RCT. 1536 LONG. 151°

12.5 11 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 3000
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ROT. 1536 LING. 151°
13.3 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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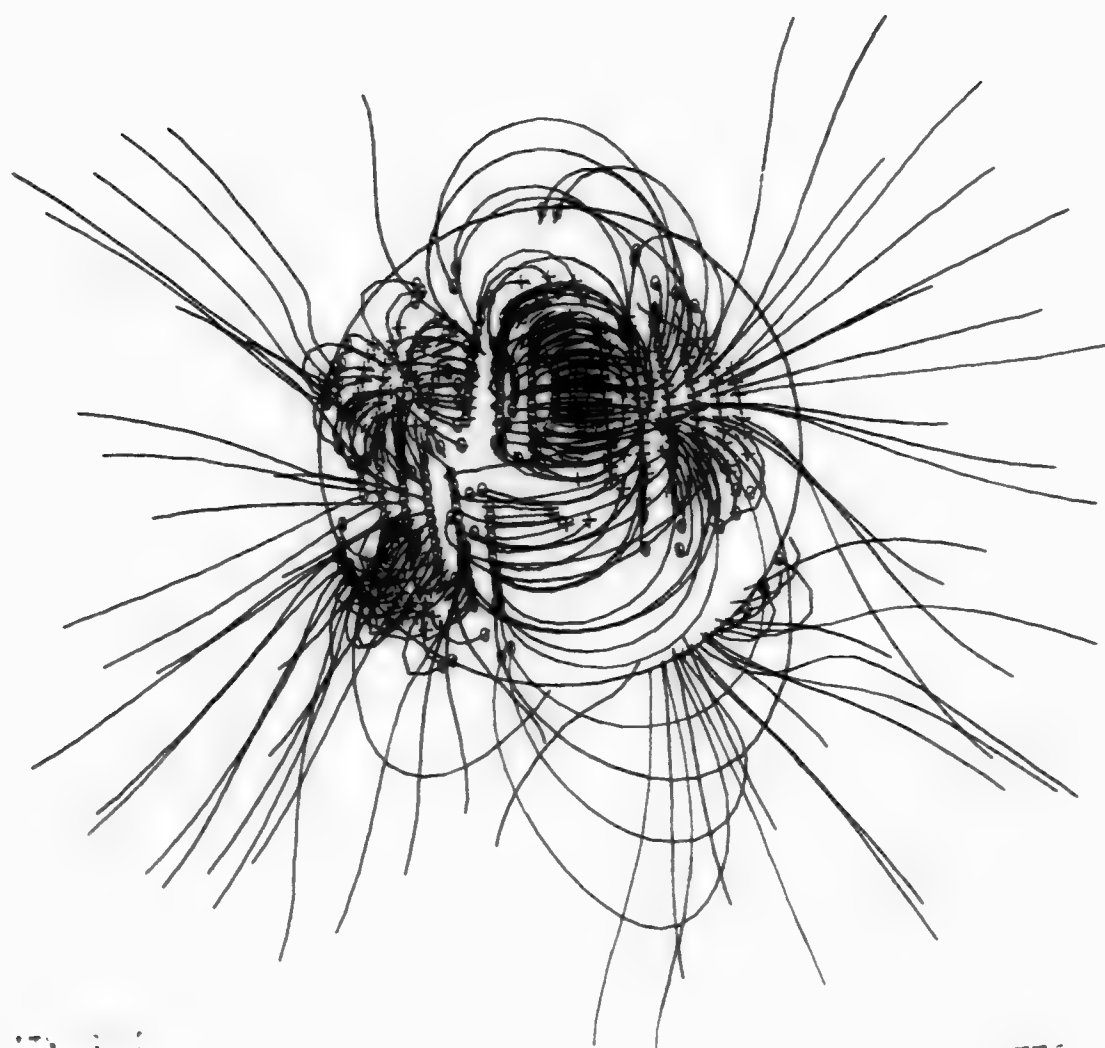
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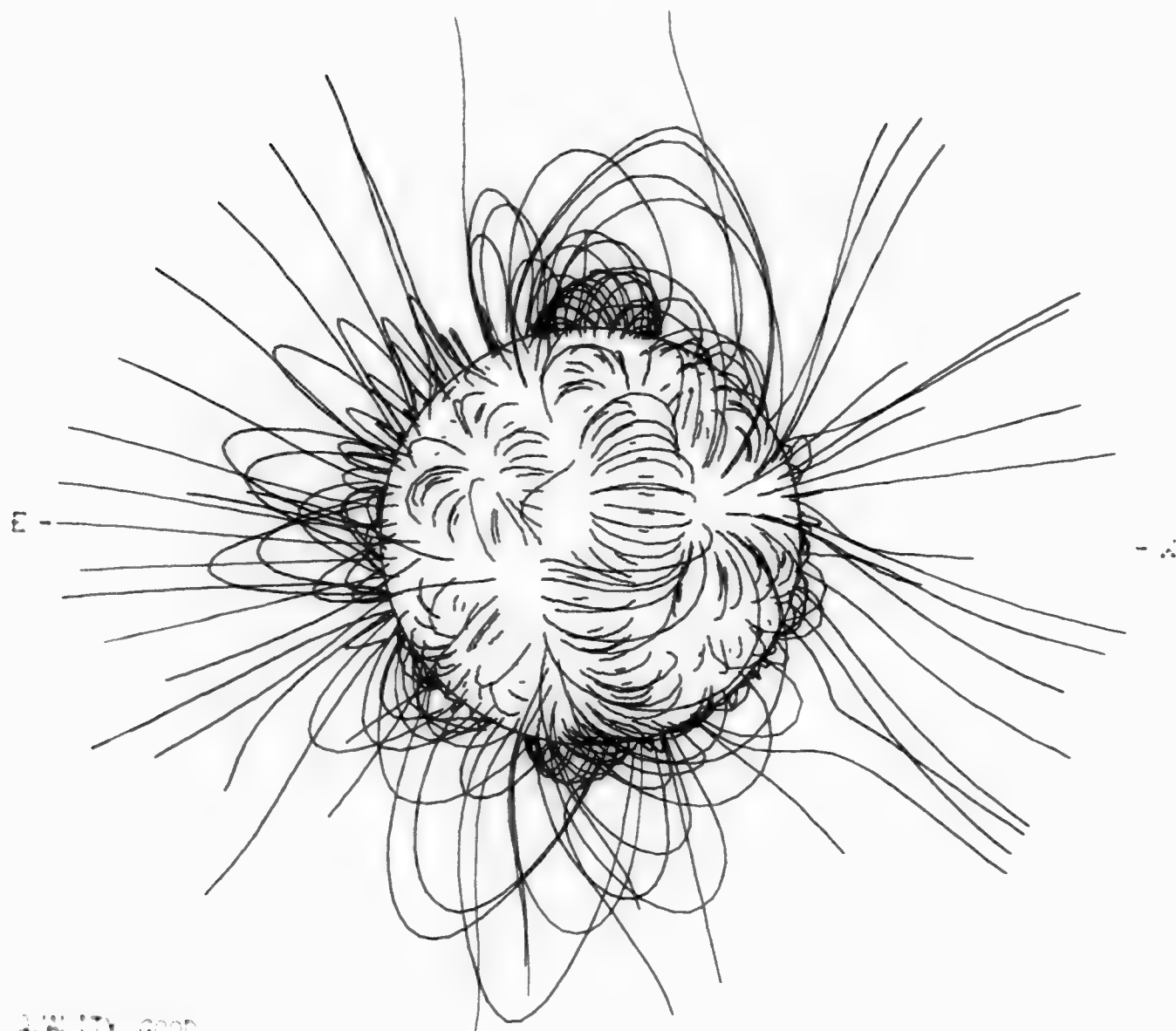
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DATA WINDOW 1536.00

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ROT. 1536 LONG. 151°
13.3 JUL 1998



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
FILES DIRECT
DATA WIND IN 1536.00

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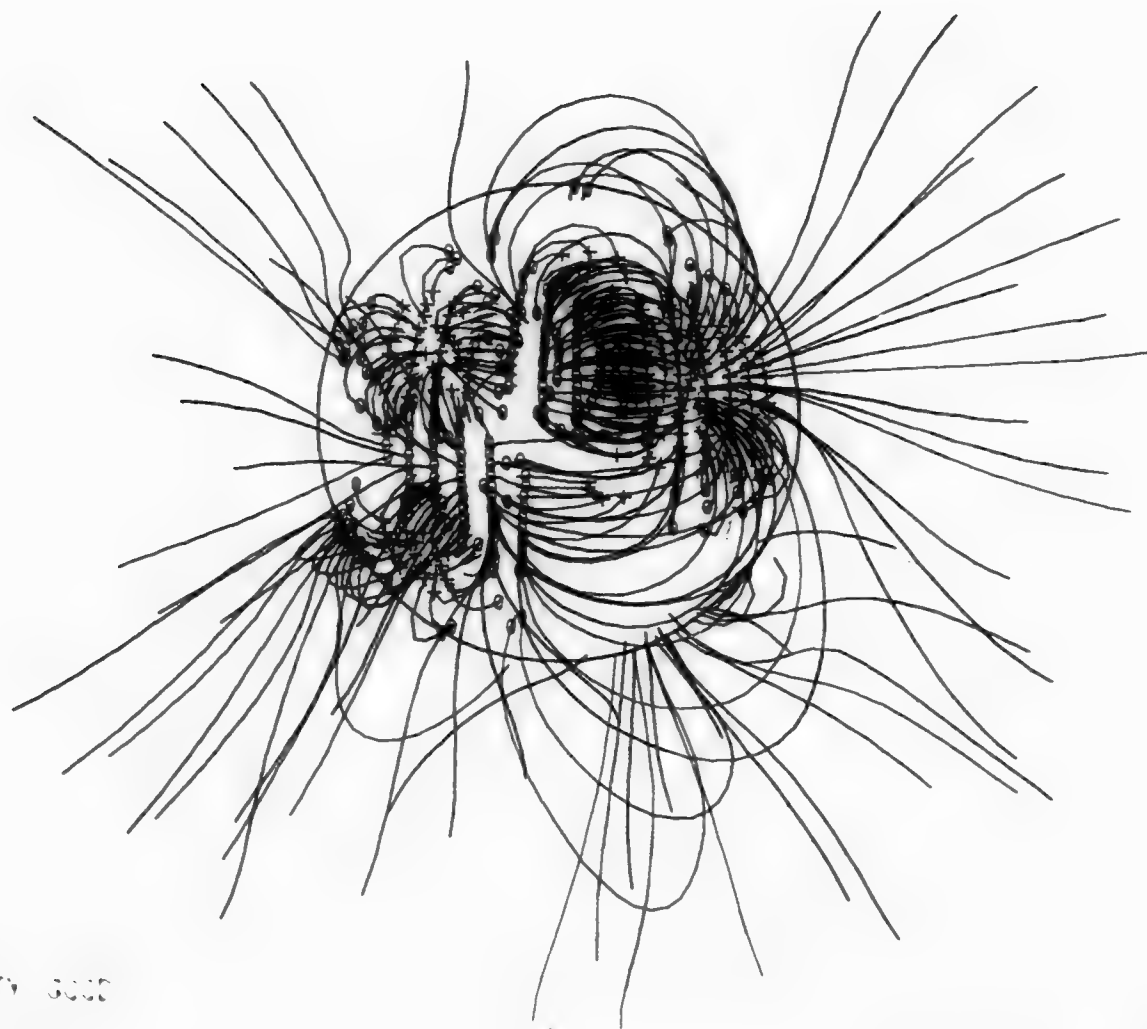
ROT. 1536 LONG. 141°
14.1 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

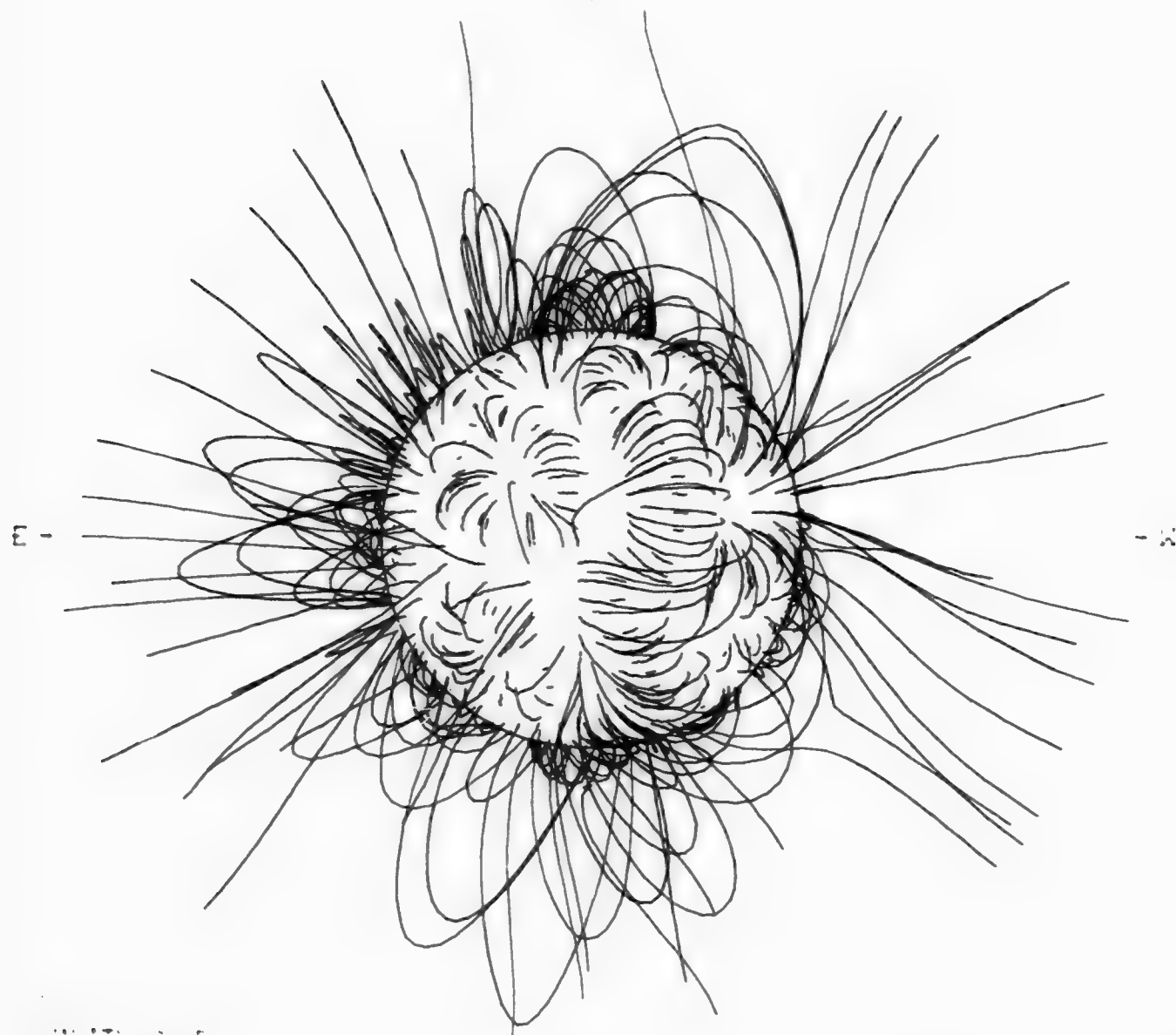
POLES DIRECT

DATA WINDOW 1536.00

ROT. 1536 LONG. 140°

14.1 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0.00

FILES DIRECT

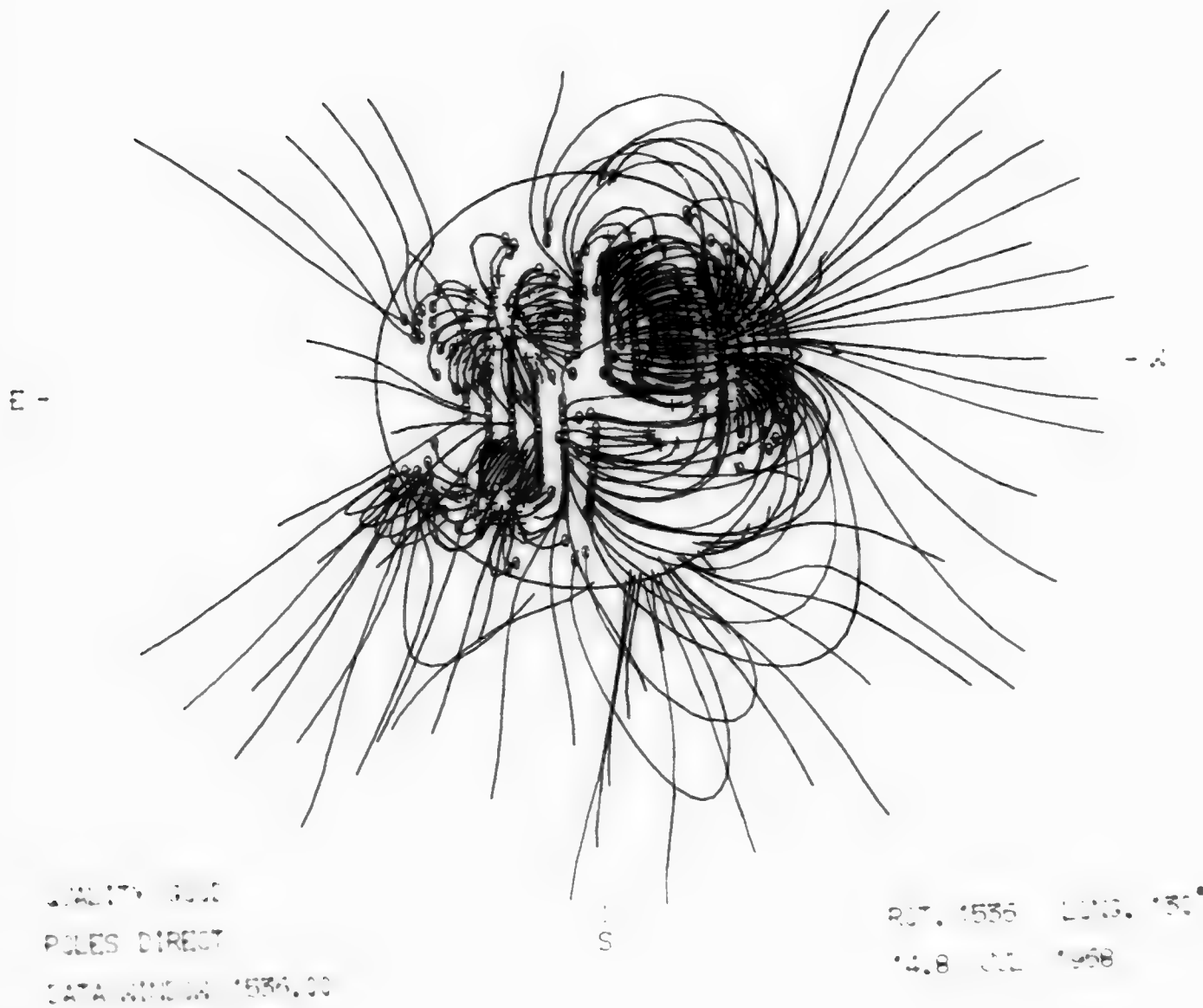
DATA NAME IN 1536.00

S

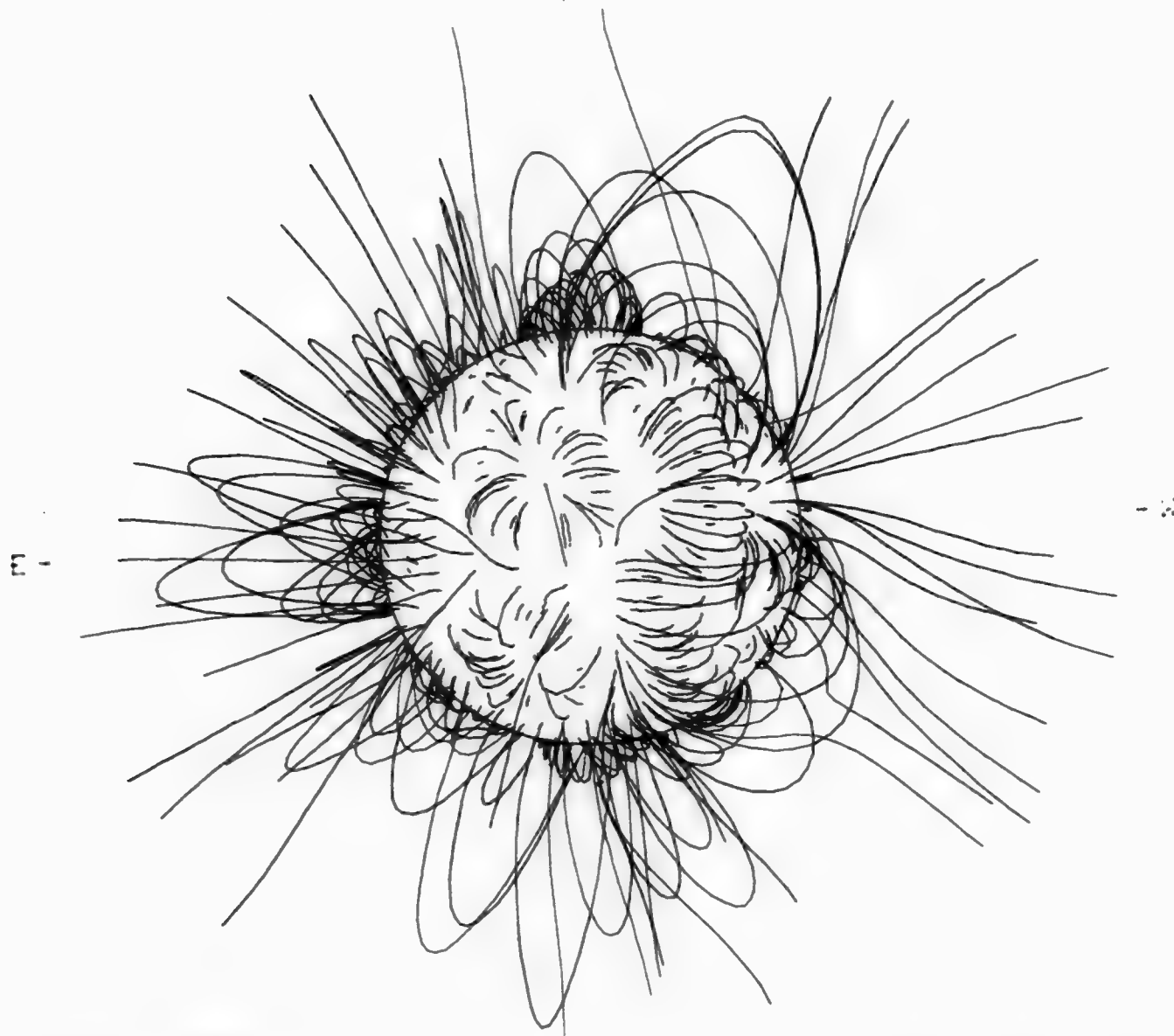
ROT. 1536 LONG. 151°

14.8 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

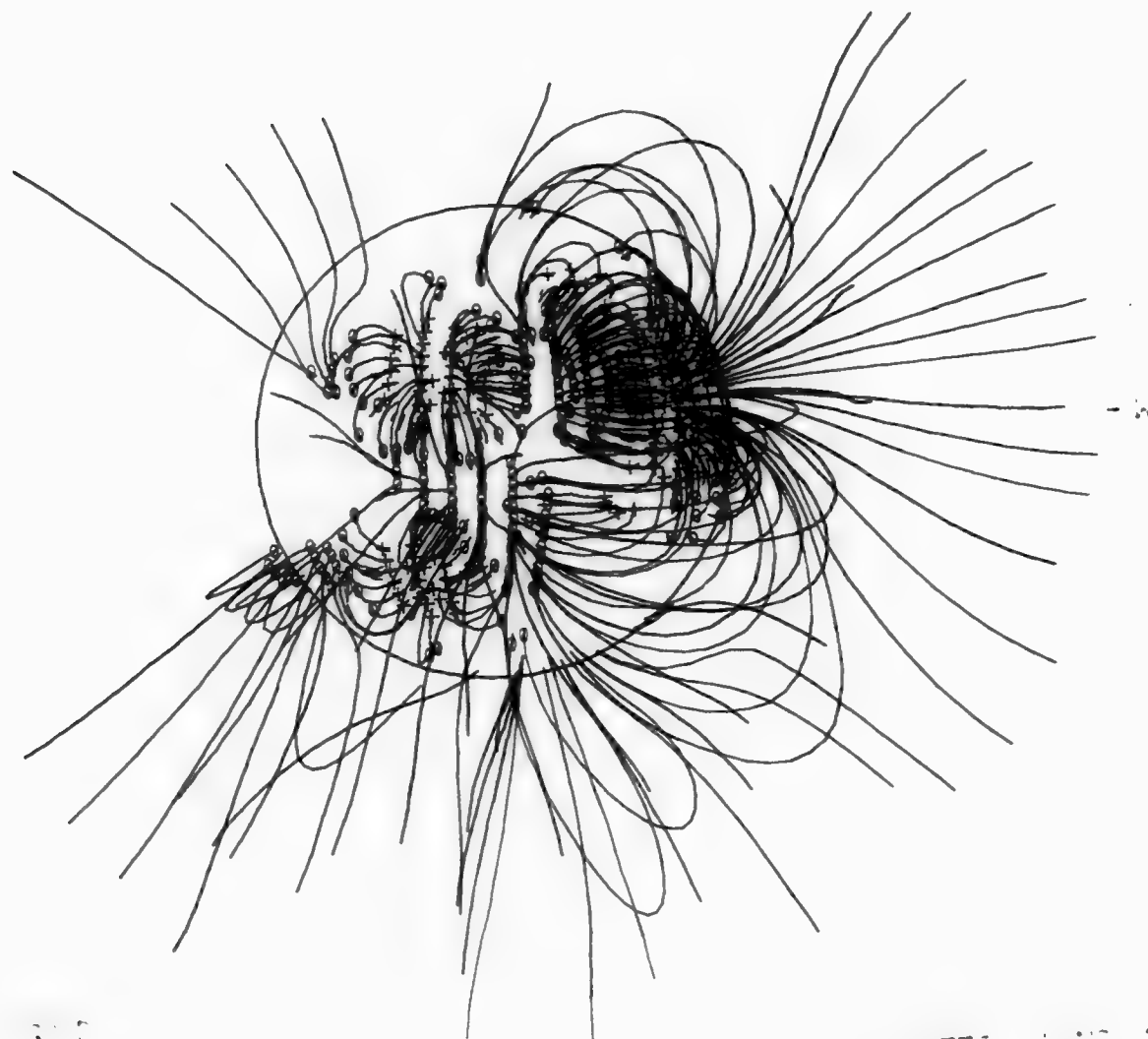


QUALITY 100
POLES DIRECT
DATA WINDOW 1530.00

S

RJT. 1536 1010. 121°
15.6 JUL 1968

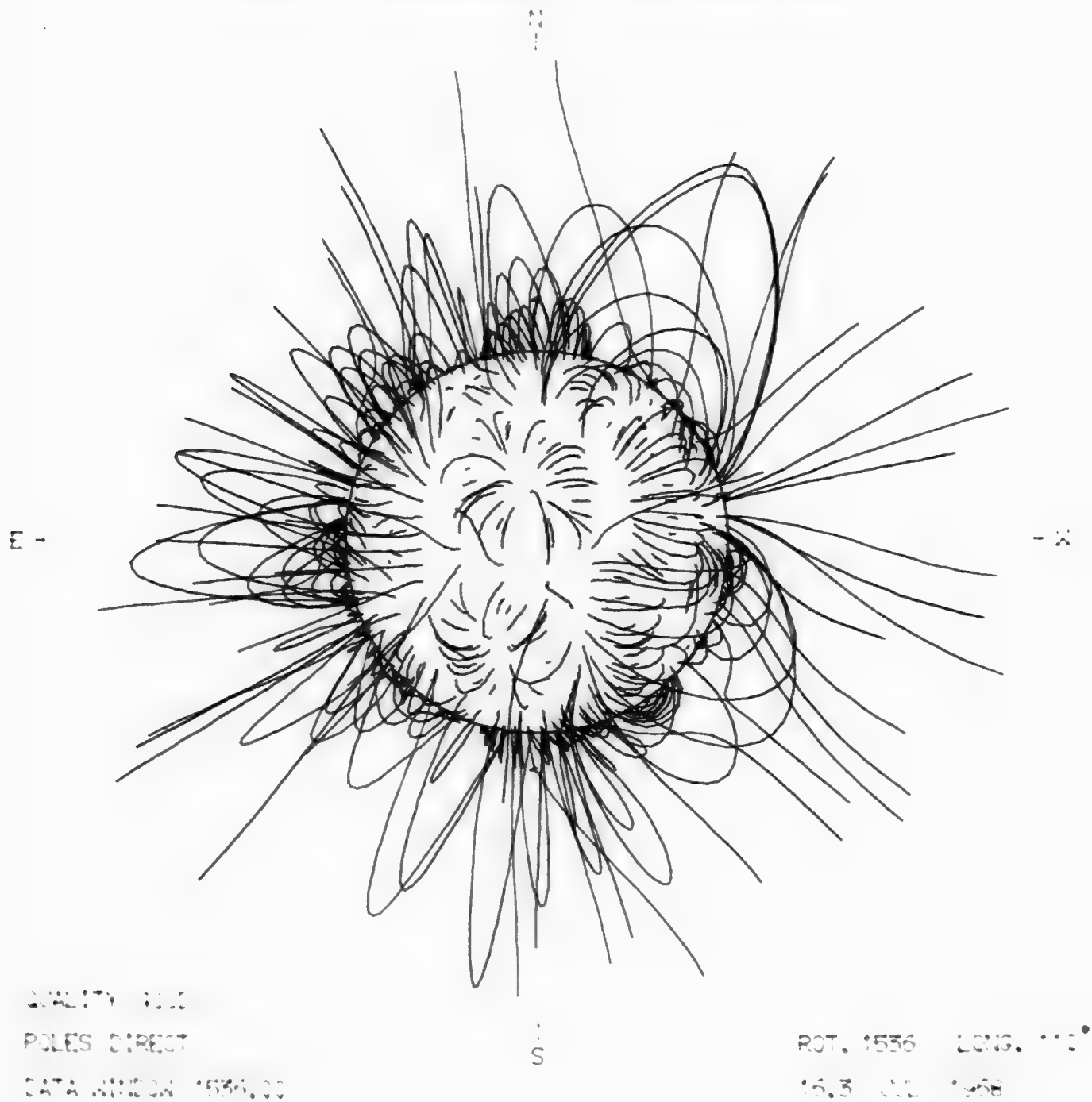
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



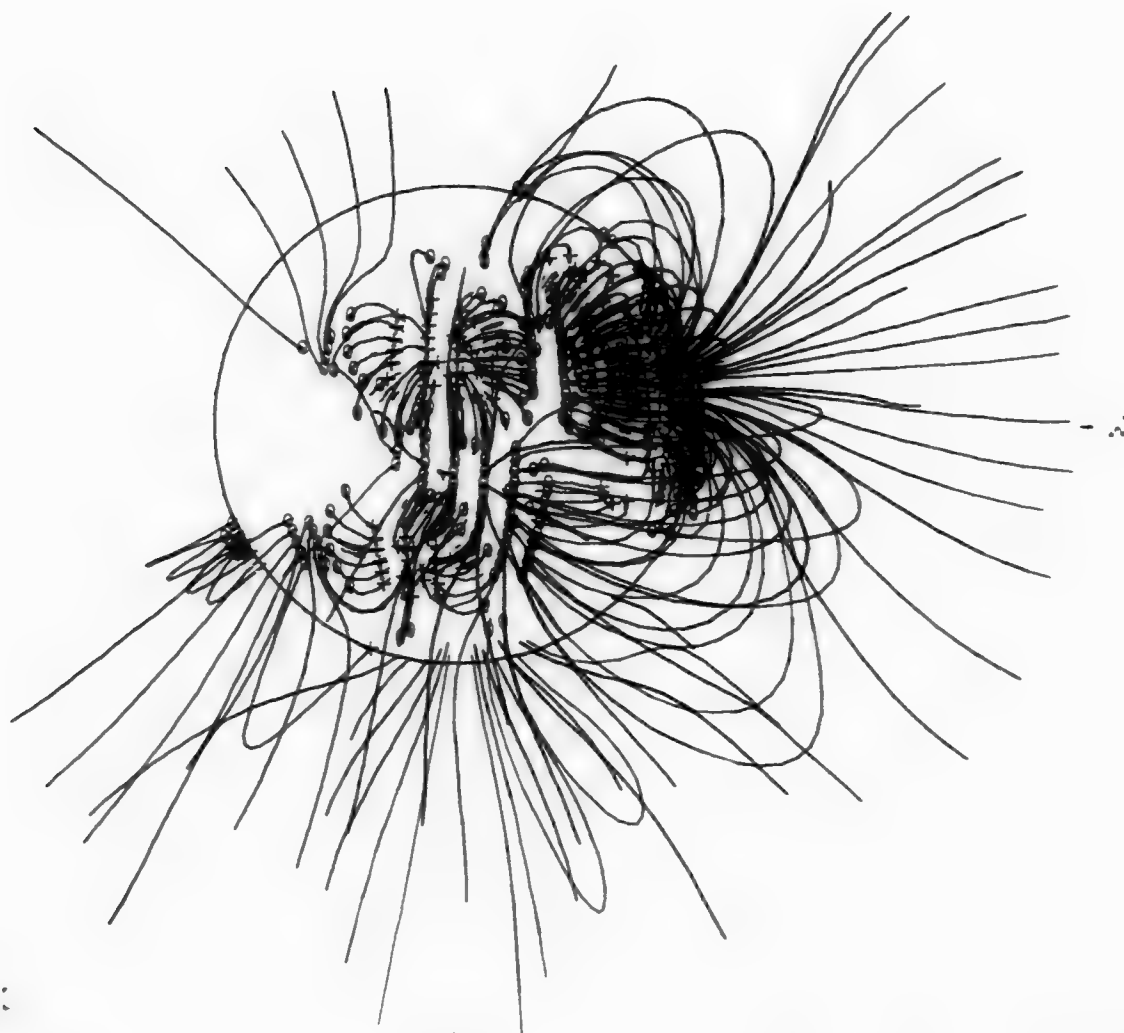
QUALITY 10.0
POLES DIRECT
DATA WINDOW 1536.00

ROT. 1536 LONG. 120°
15.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 300

POLES DIRECT

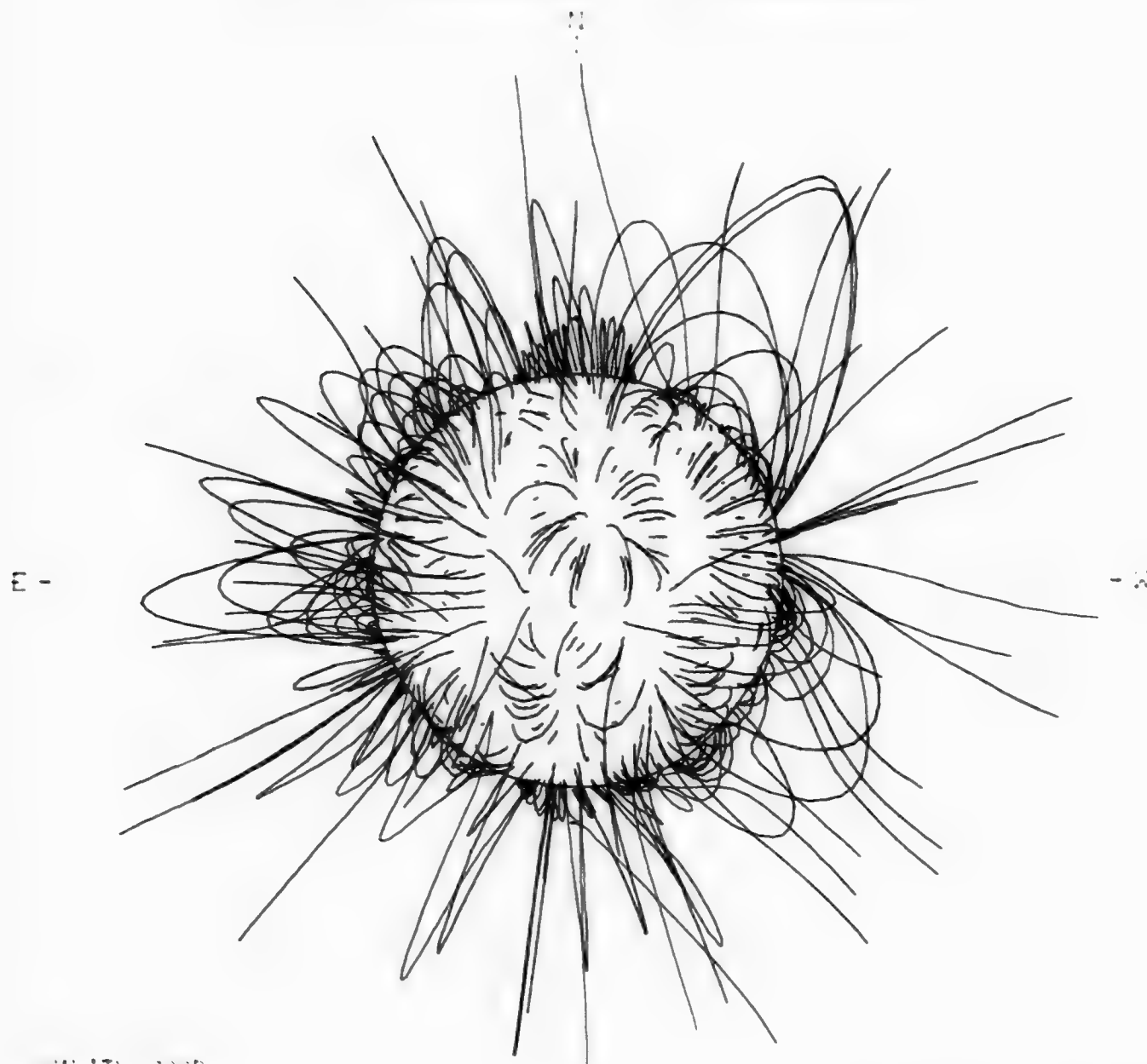
DATA INPUT 1536.00

S

R.T. 1536 100.000

16.3 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

DATA WINDUW 1530.00

S

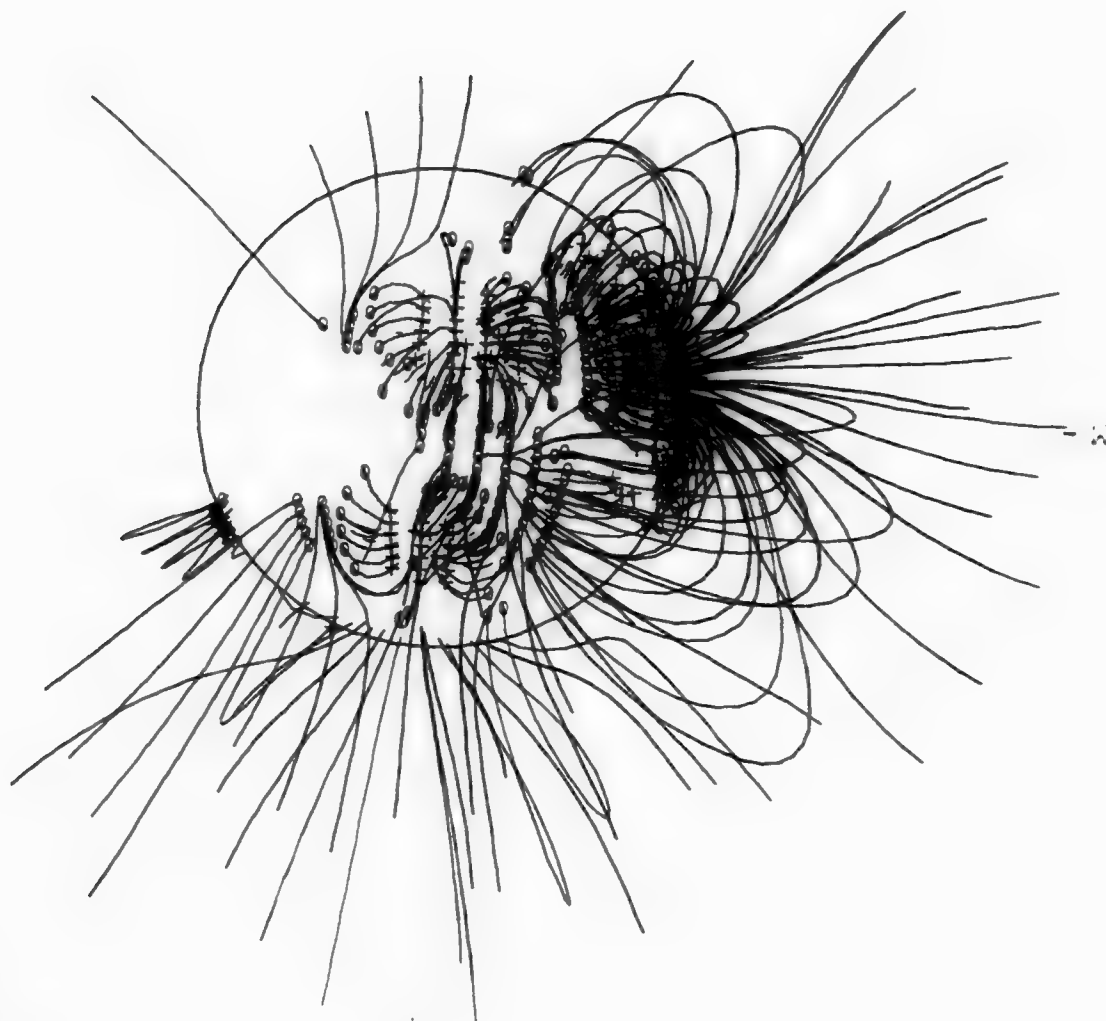
RJT. 1536

LONG. 101°

17.1 JUL

1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

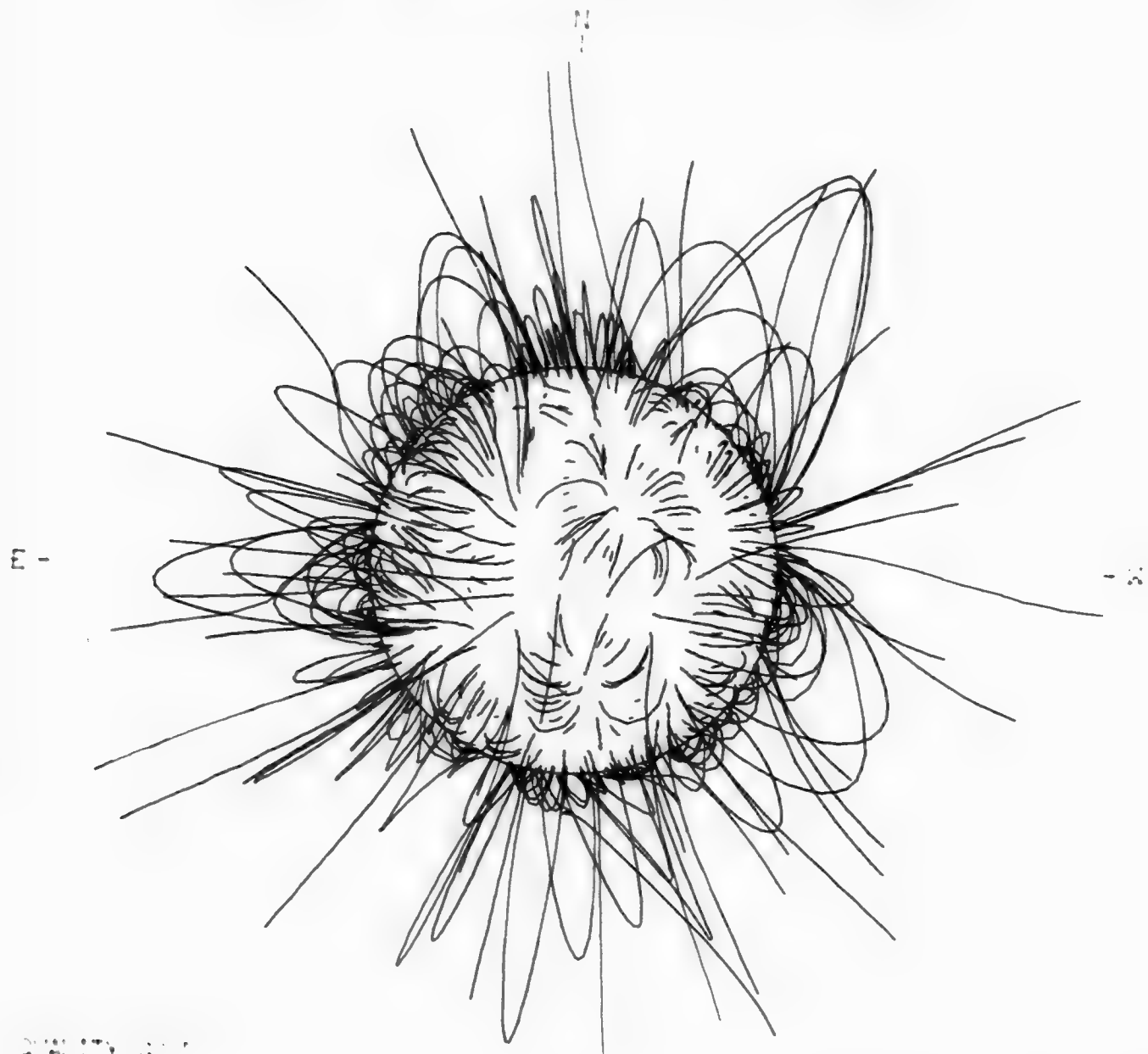
DATA NUMBER 1534.00

S

RGT. 1536 LONG. 100°

17.1 111 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 000

POLES DIRECT

DATA WINDOW 1536.00

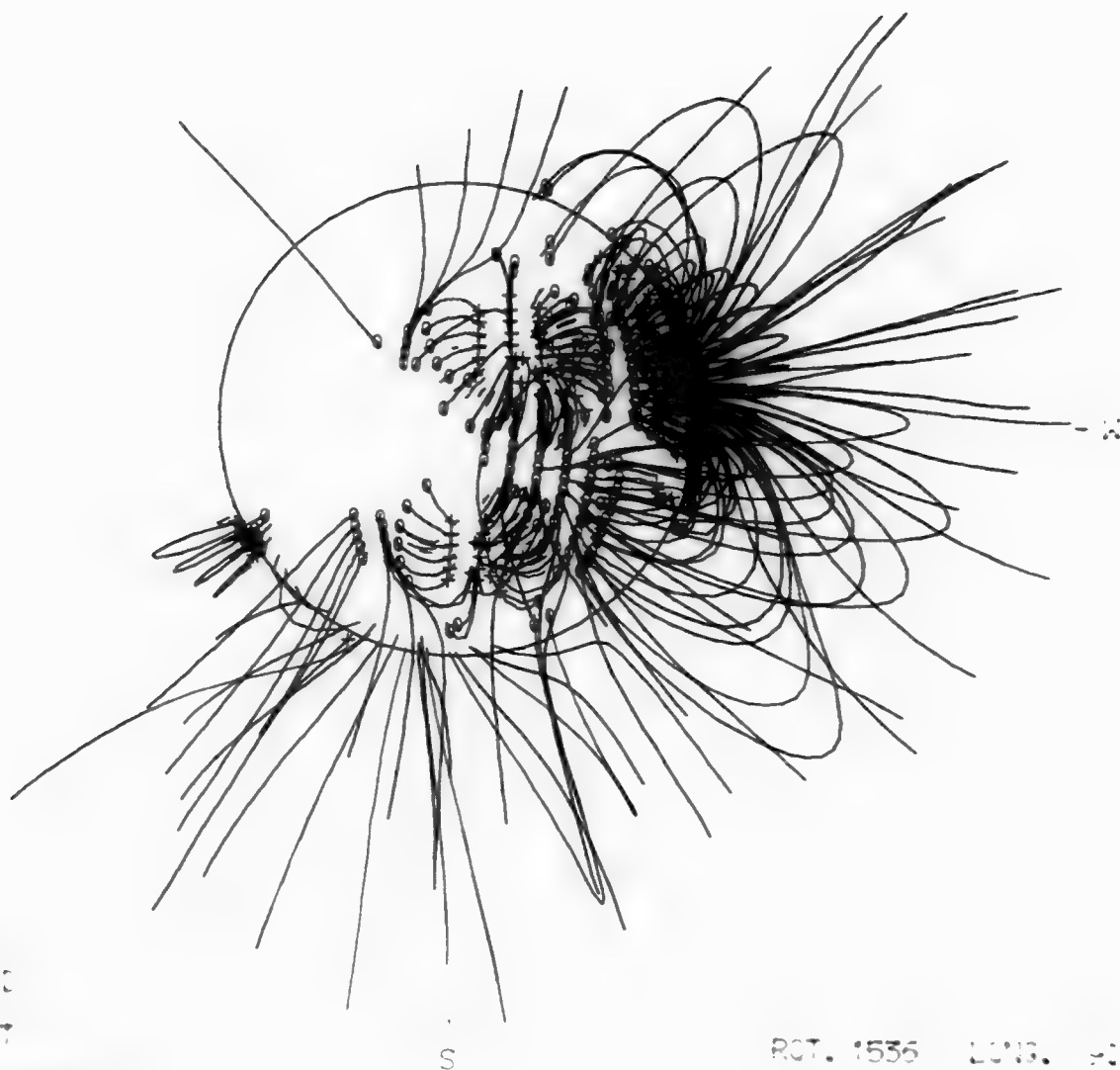
S

RET. 1536 LONG. 15°

17.5 100 1998

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY 3000

POLES DIRECT

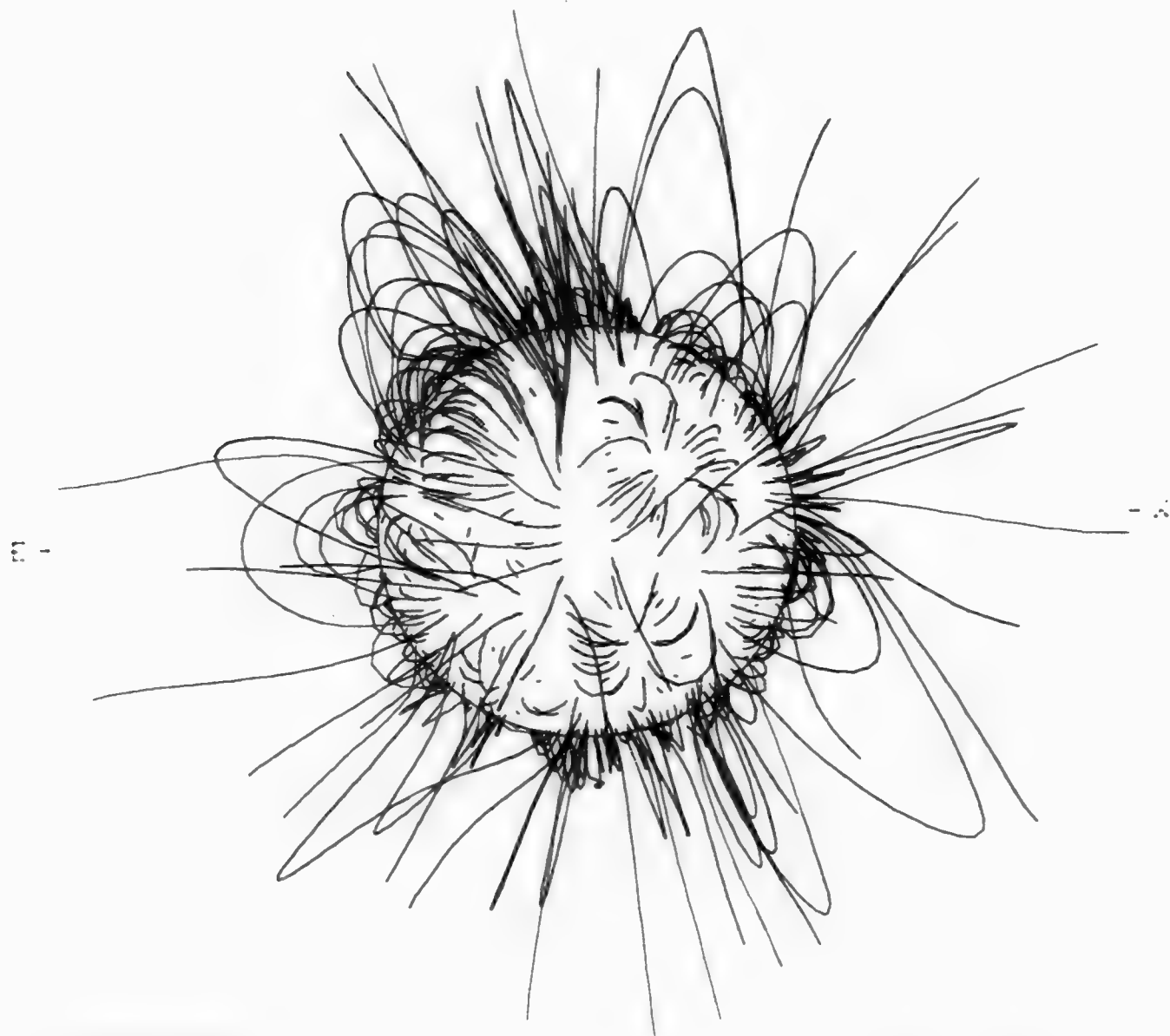
DATA WIND UN 1536.00

S

ROT. 1536 LONG. 91°

17.9 JUL 1968

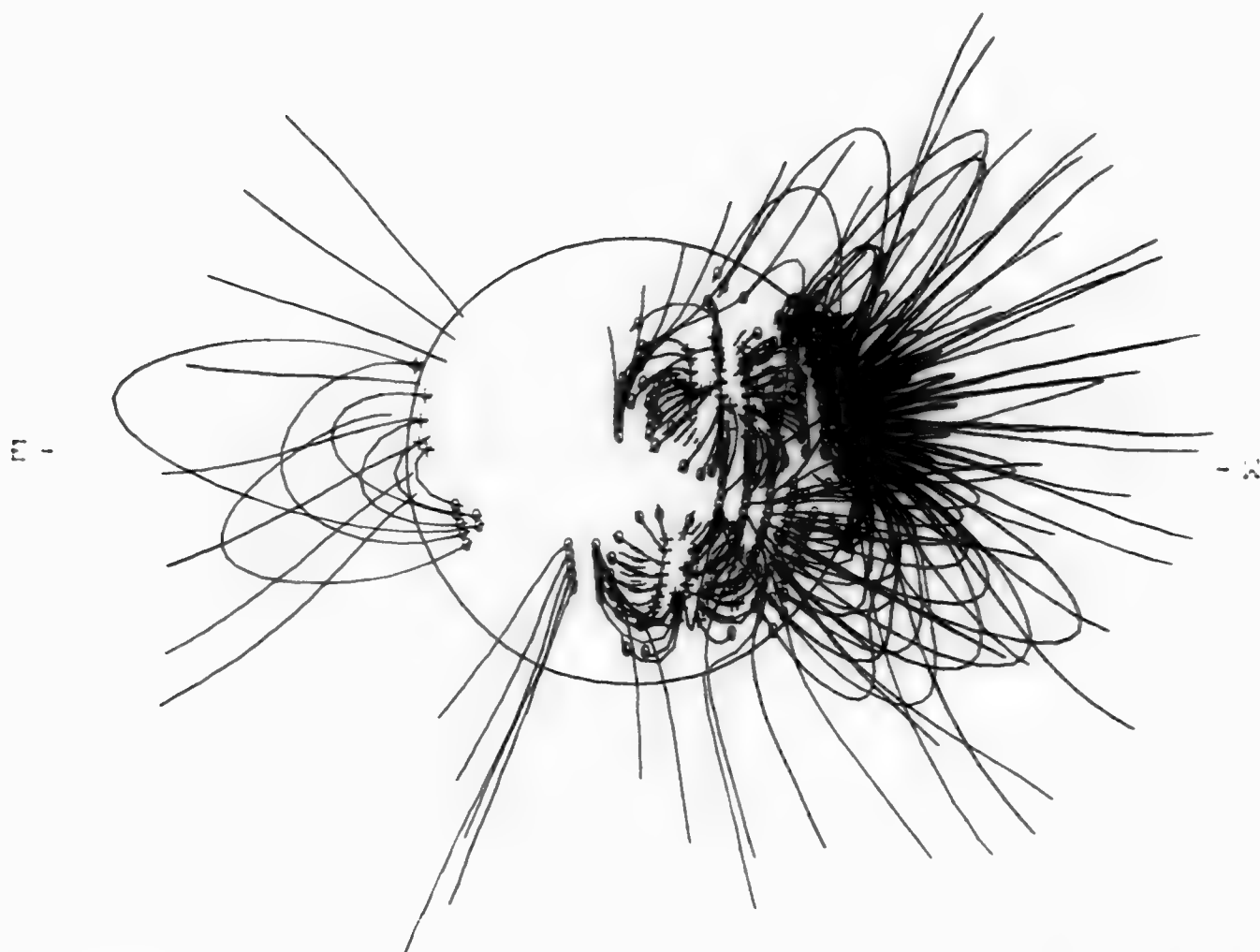
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE
OBSERVATORY
DATA

18.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

FILES DIRECT

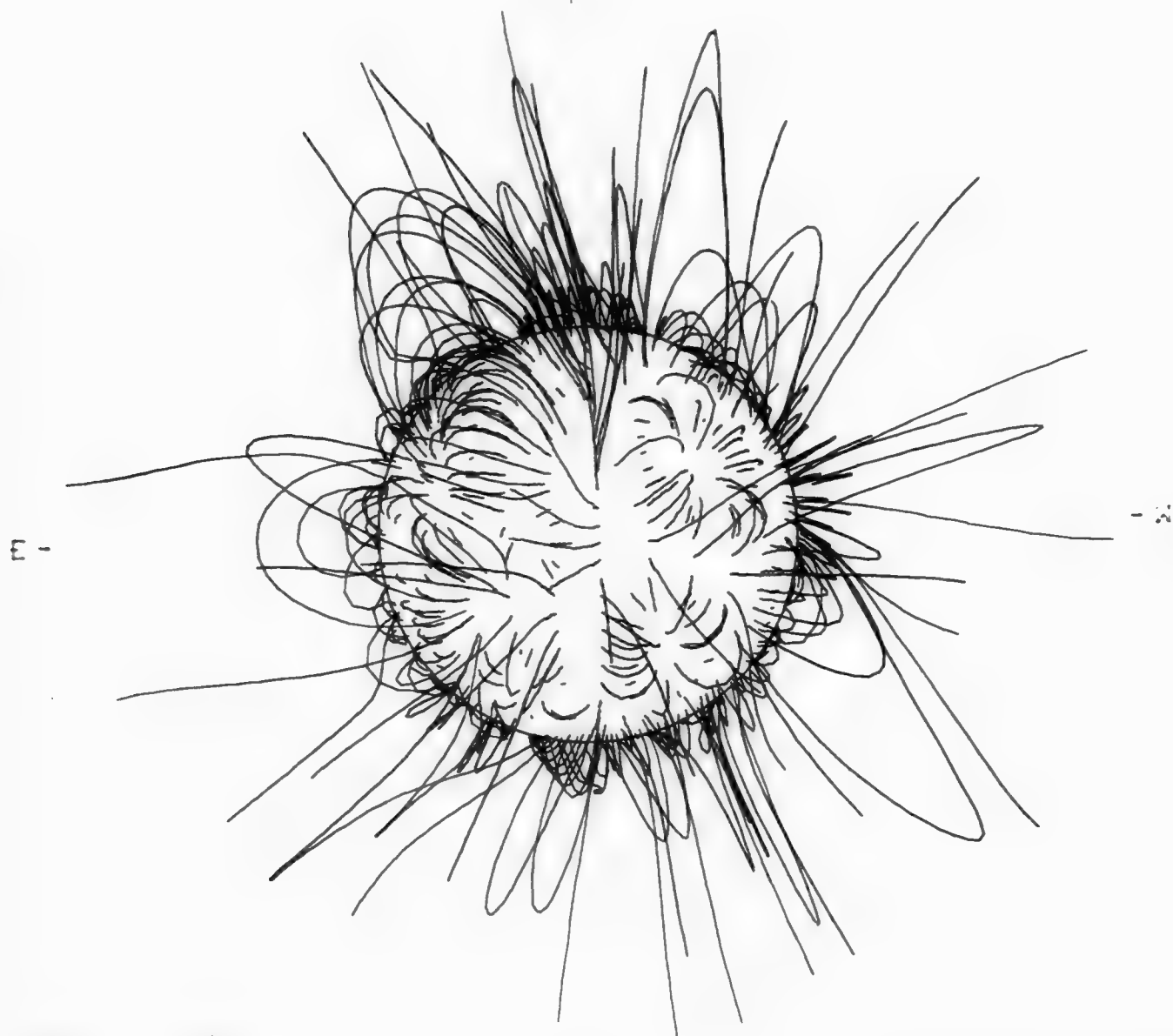
DATA NUMBER 1536.47

S

R.T. 1536 11.10. 20°

18.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



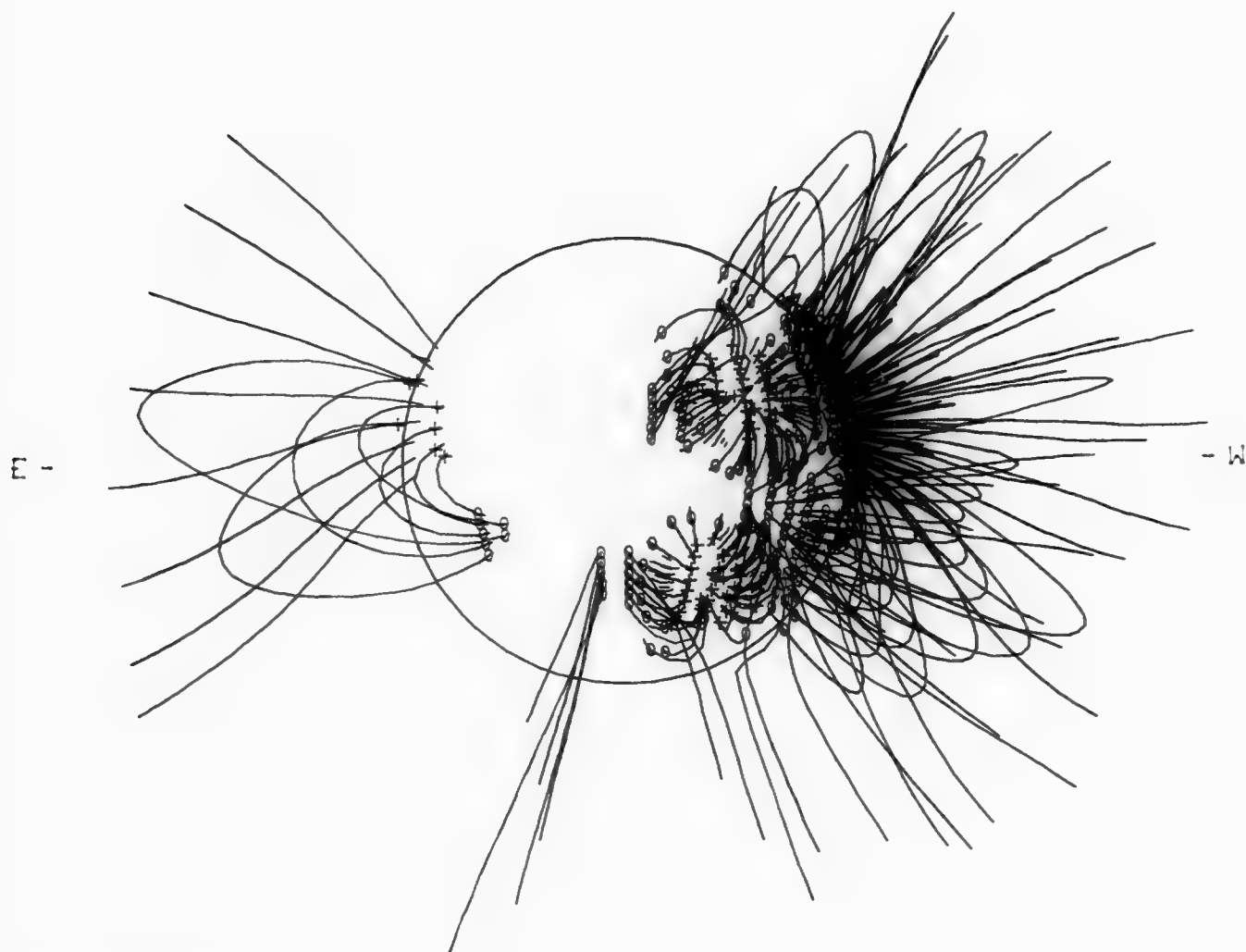
QUALITY GOOD
POLES DIRECT
DATA NUMBER 1536.47

S

ROT. 1536 LONG. 70°
19.3 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES DIRECT

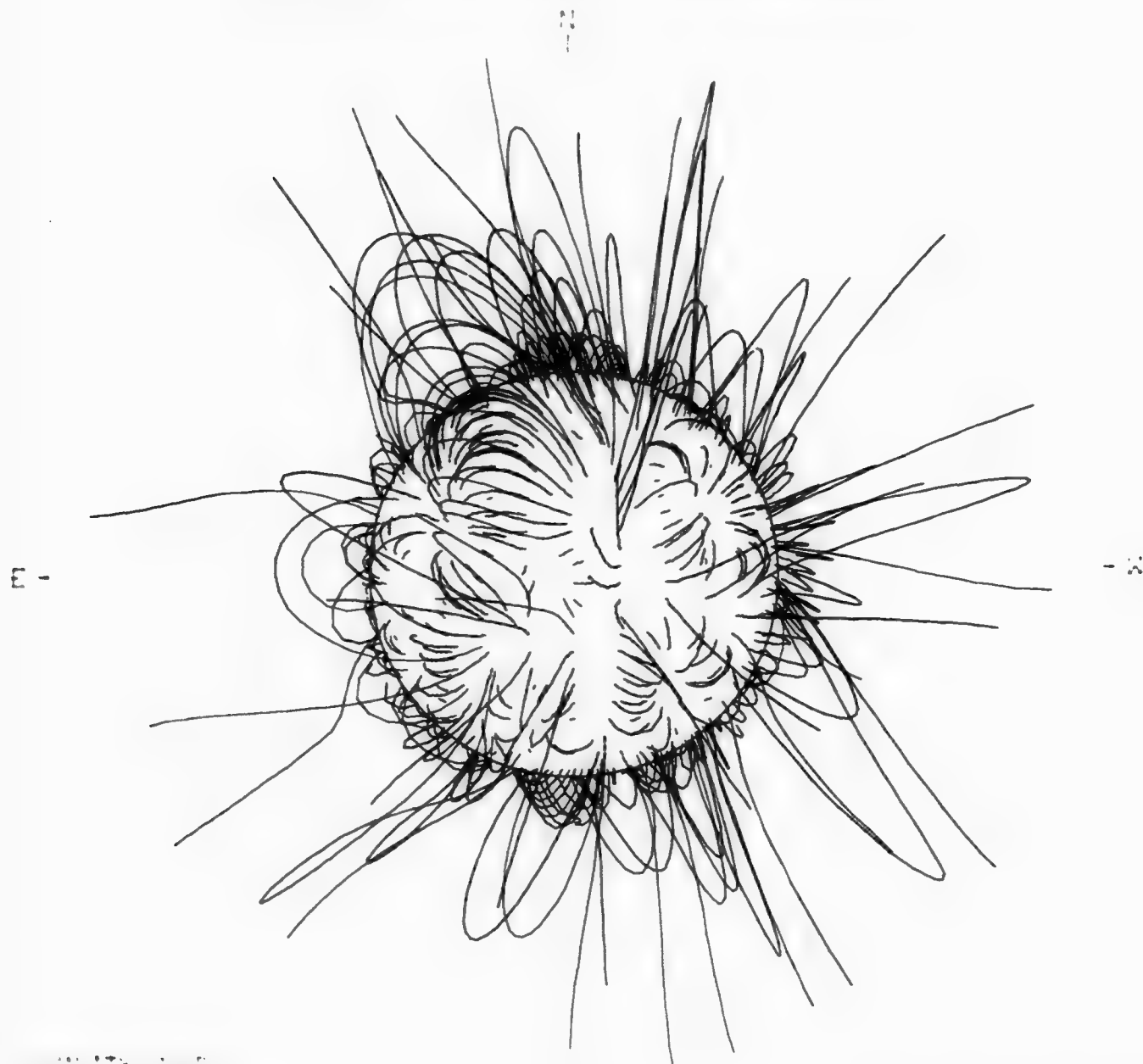
DATA WINDOW 1536. 7

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S

ROT. 1536 LONG. 70°

19.3 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

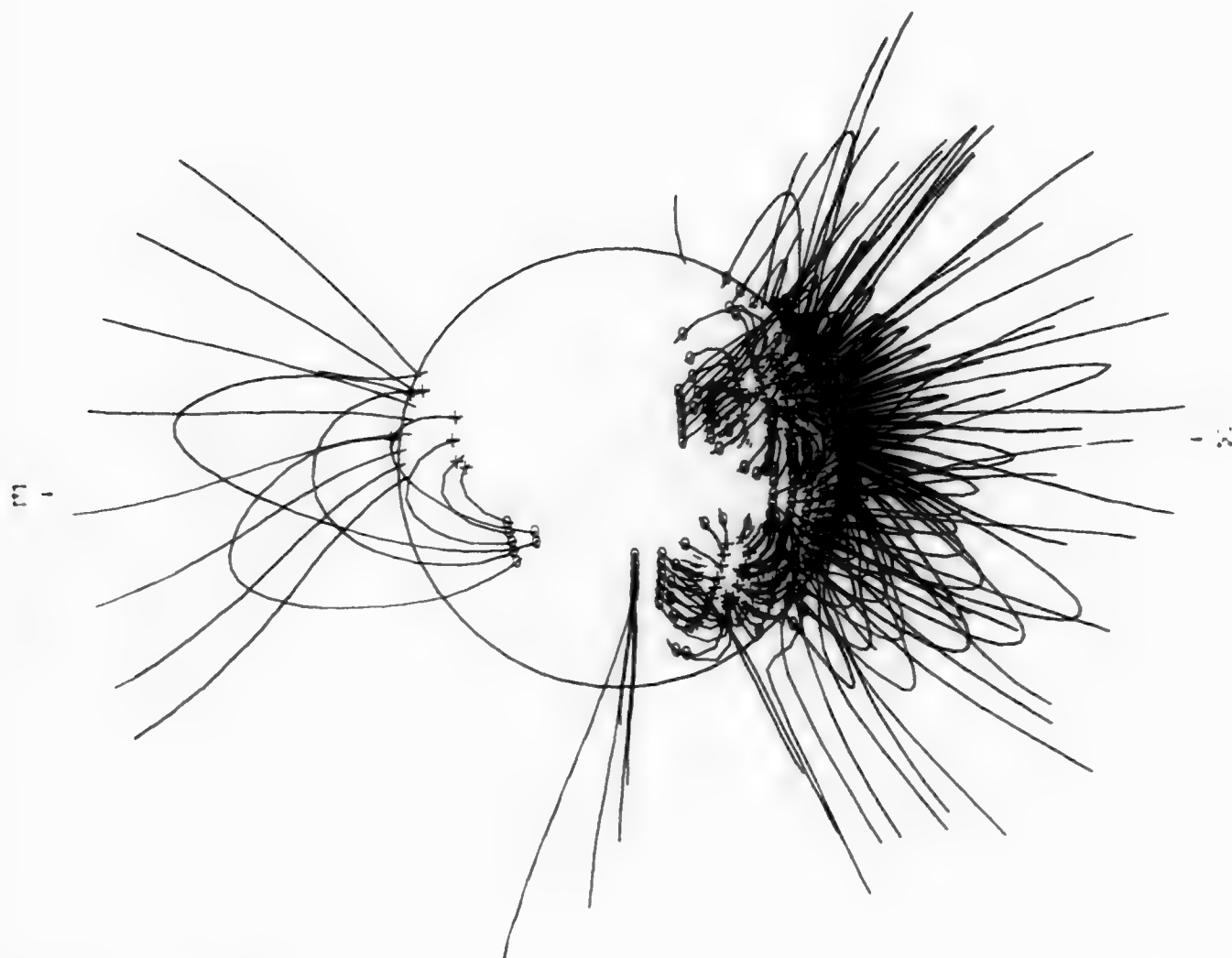
DATA WINDOW 1536.0"

S

ROT. 1536 LONG. 60°

20.1 JUL 1968

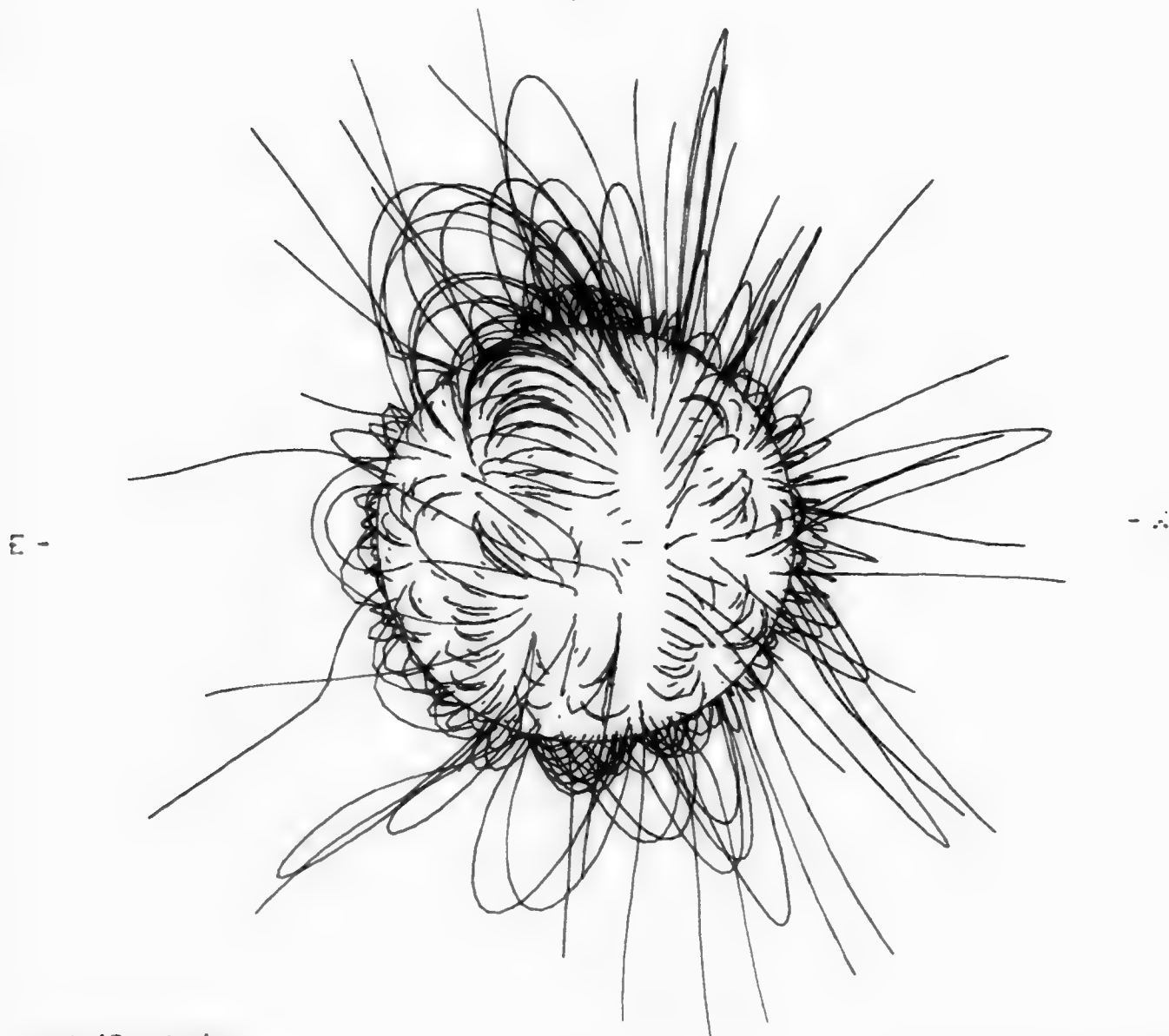
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



W. H. HALE
 HALE DIRECT
 DATA APRIL 1536.47

R. T. 1536 1113. 61°
 20.1 111 1938

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

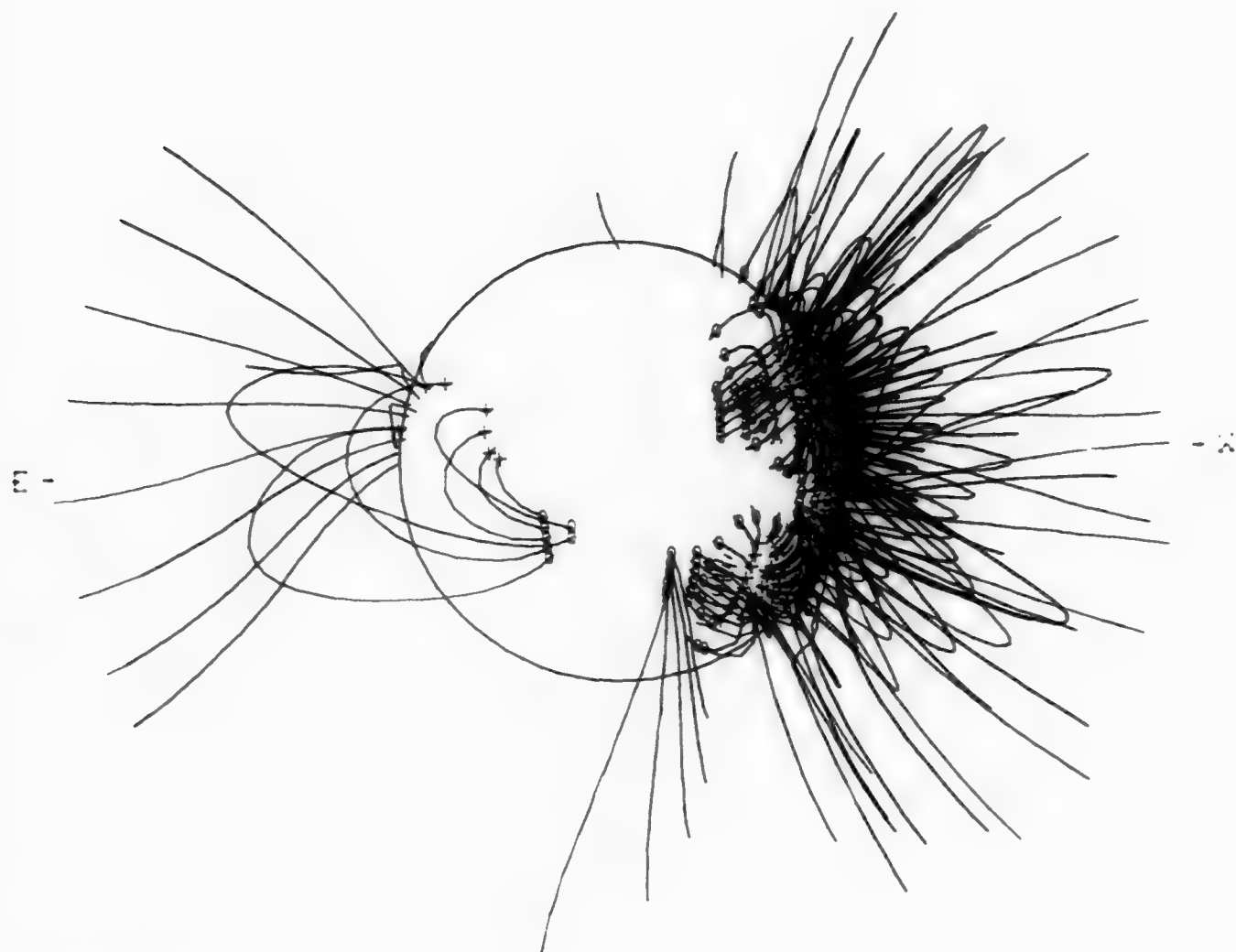


1. 100% 100%
 POLES DIRECT
 DATA W/IN 1536.47

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ROT. 1536 LONG. 51°
 20.2 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

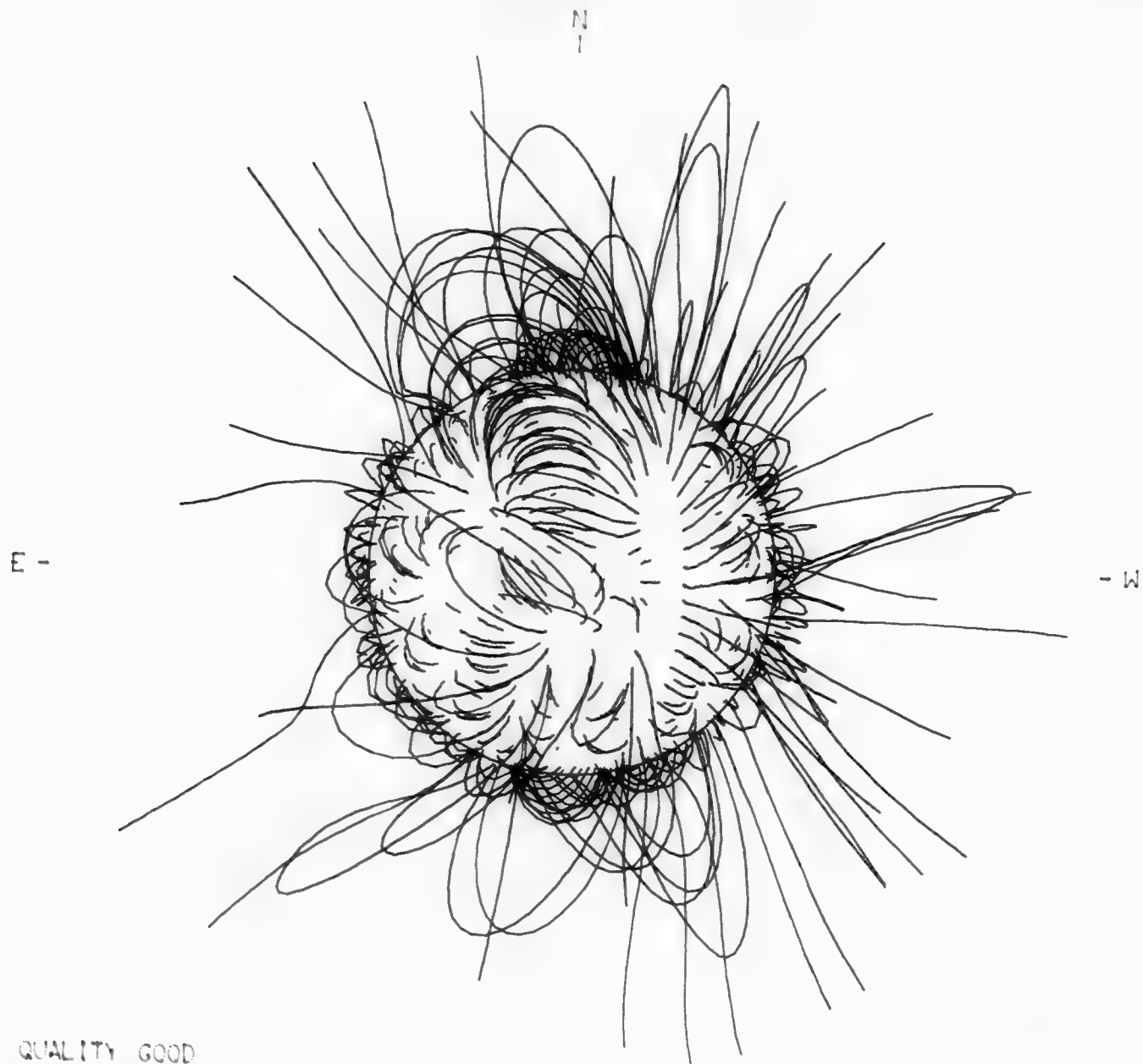


QUALITY 000
POLES DIRECT
DATA WINDOW 1536.47

S

RUT. 1536 2010. 51°
20.4 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

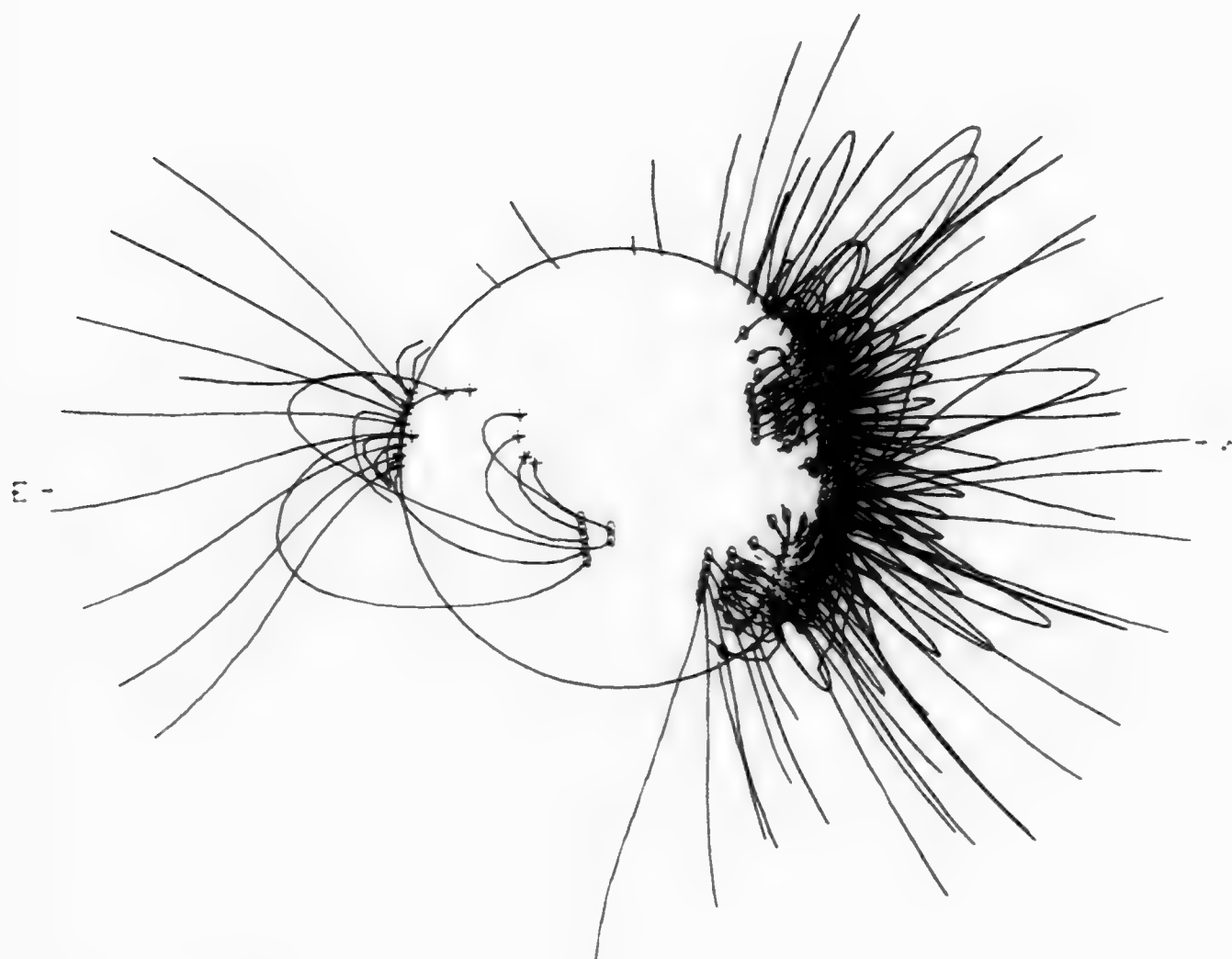
DATA WINDOW 1536.47

S

ROT. 1536 LONG. 40°

21.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

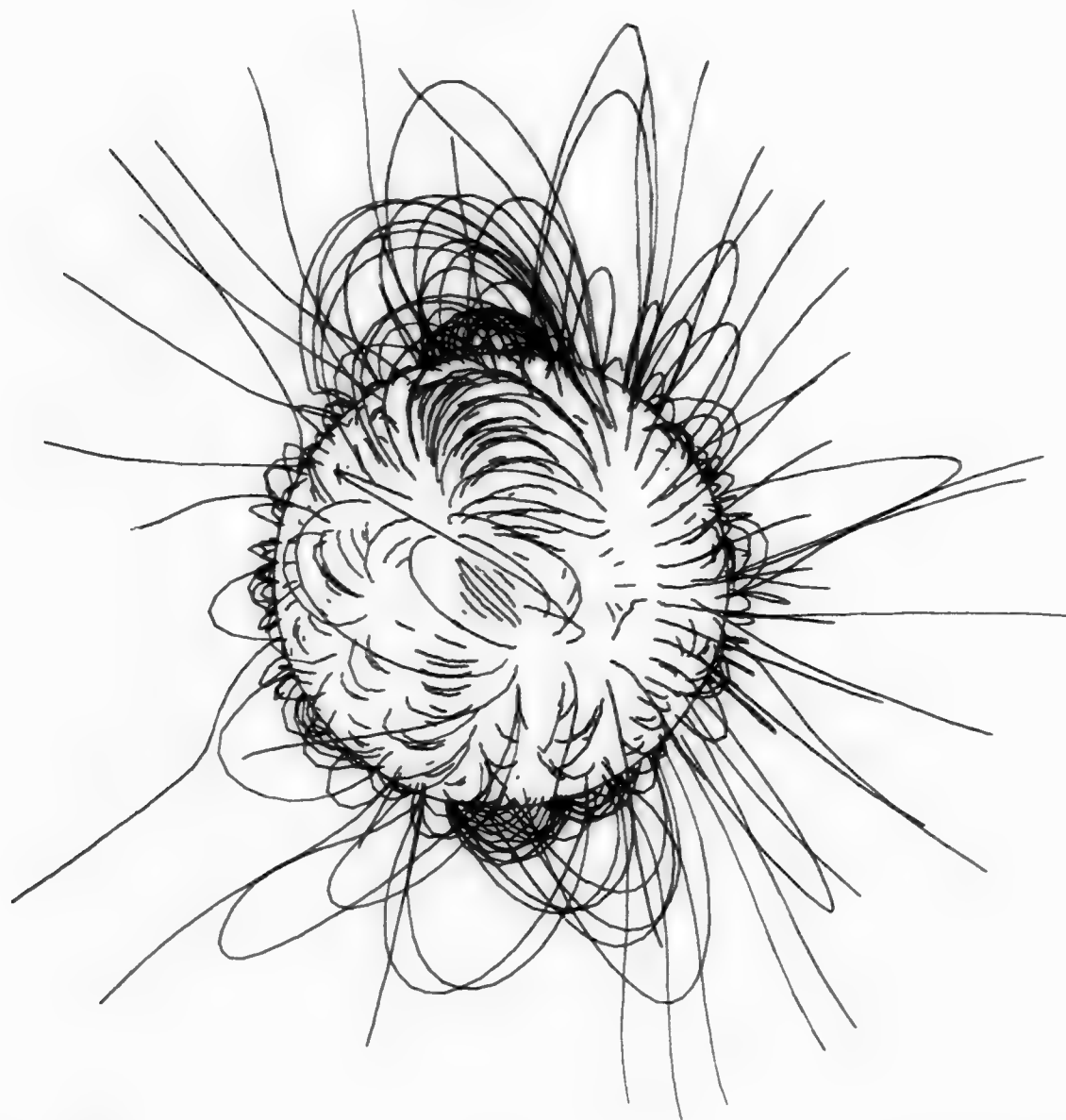


QUALITY GOOD
POLES DIRECT
DATA AVAILABLE 1936.00

2.7. 1936 2.7. 1936
2.6 JUL 1936

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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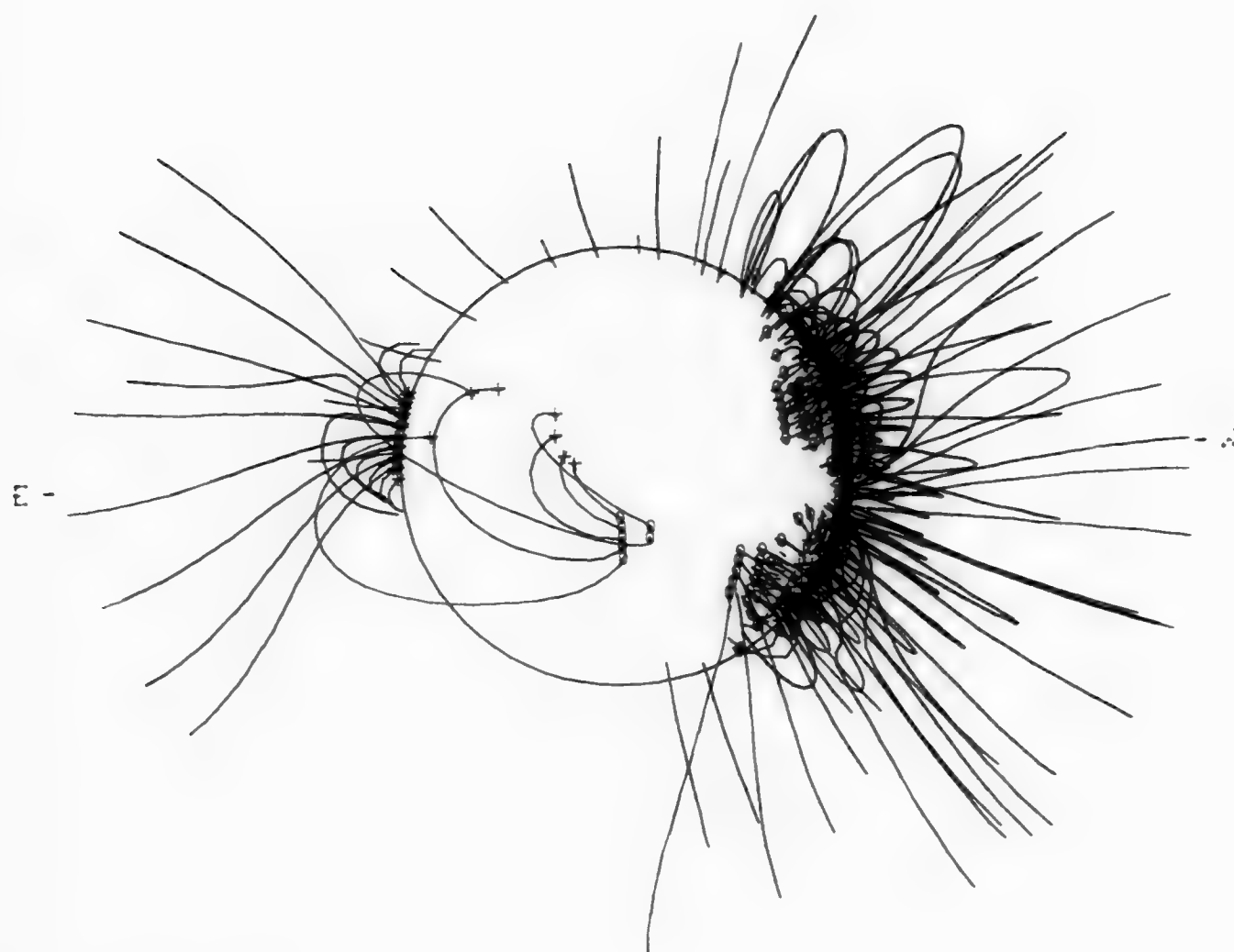


HALE 174 GUS
POLES DIRECT
DATA WIND IN 1934. "

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ROT. 1536 1.10. 51°
22.4 01 1958

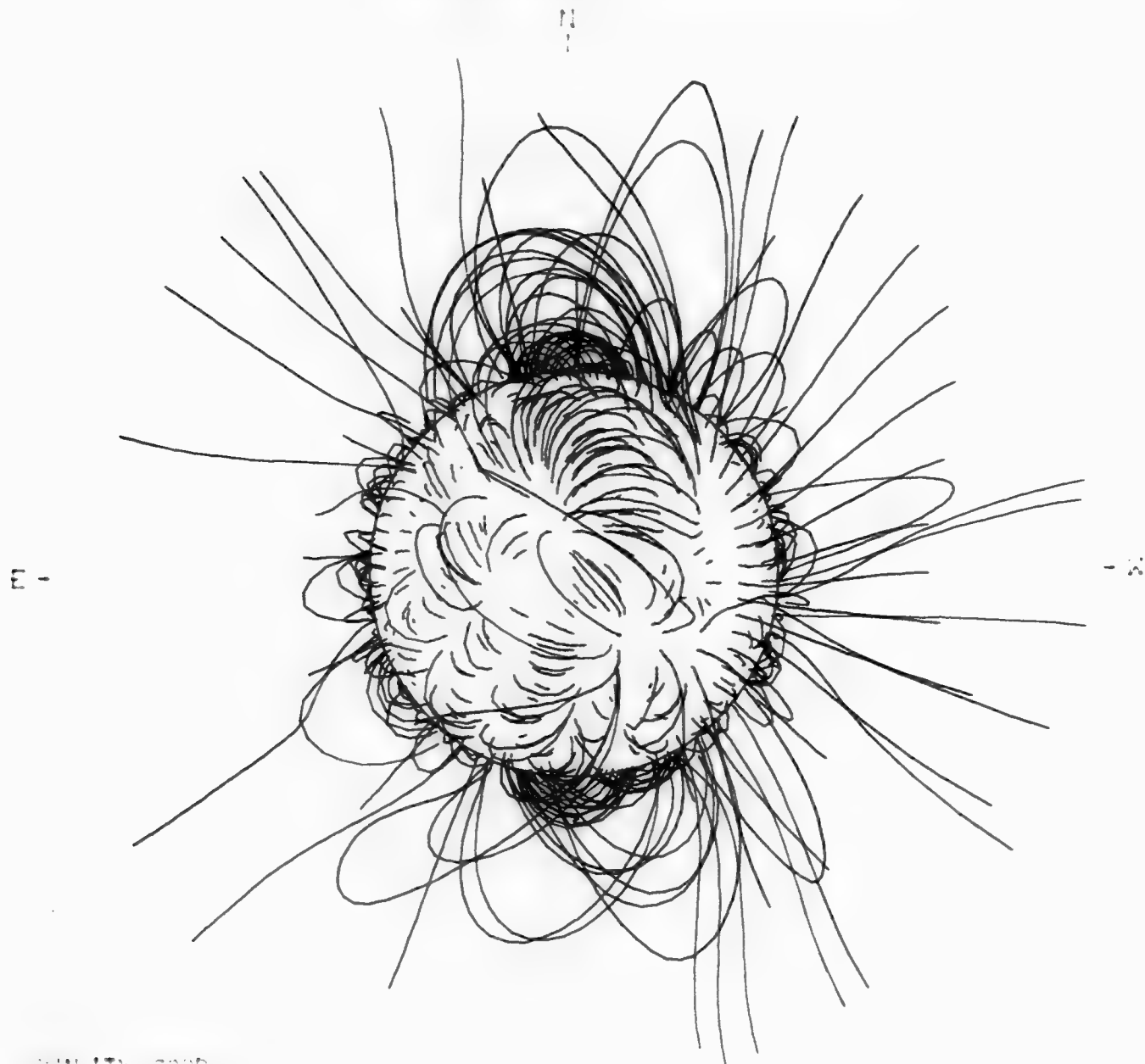
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
POLES DIRECT
DATA WINDU 1536.47

RUT. 1536 1010. 31°
21.4 101 1948

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

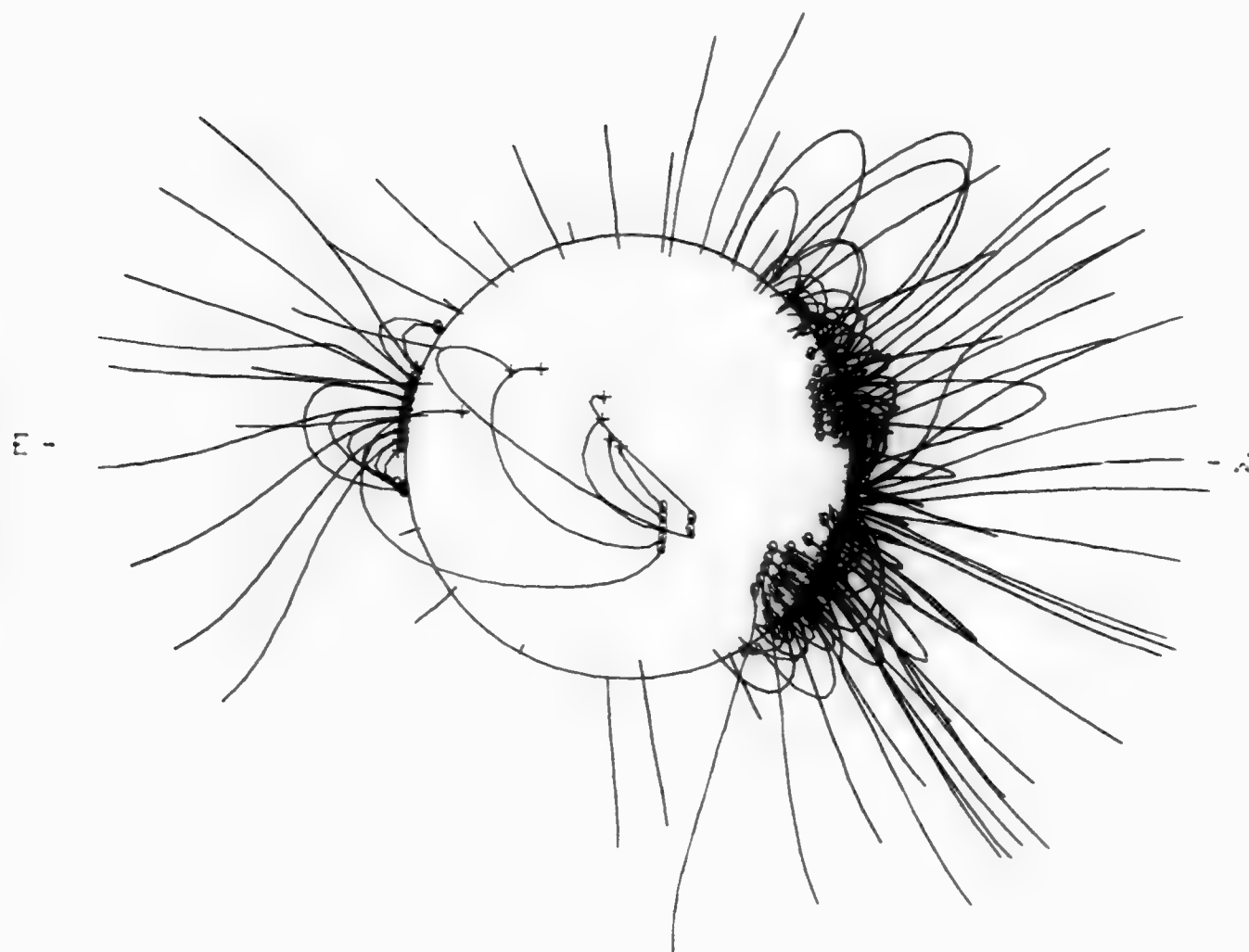
POLES DIRECT

DATA WINDON 1956.47

S

ROT. 1535 LONG. 11°
23.1 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

PULLEN DIRECT

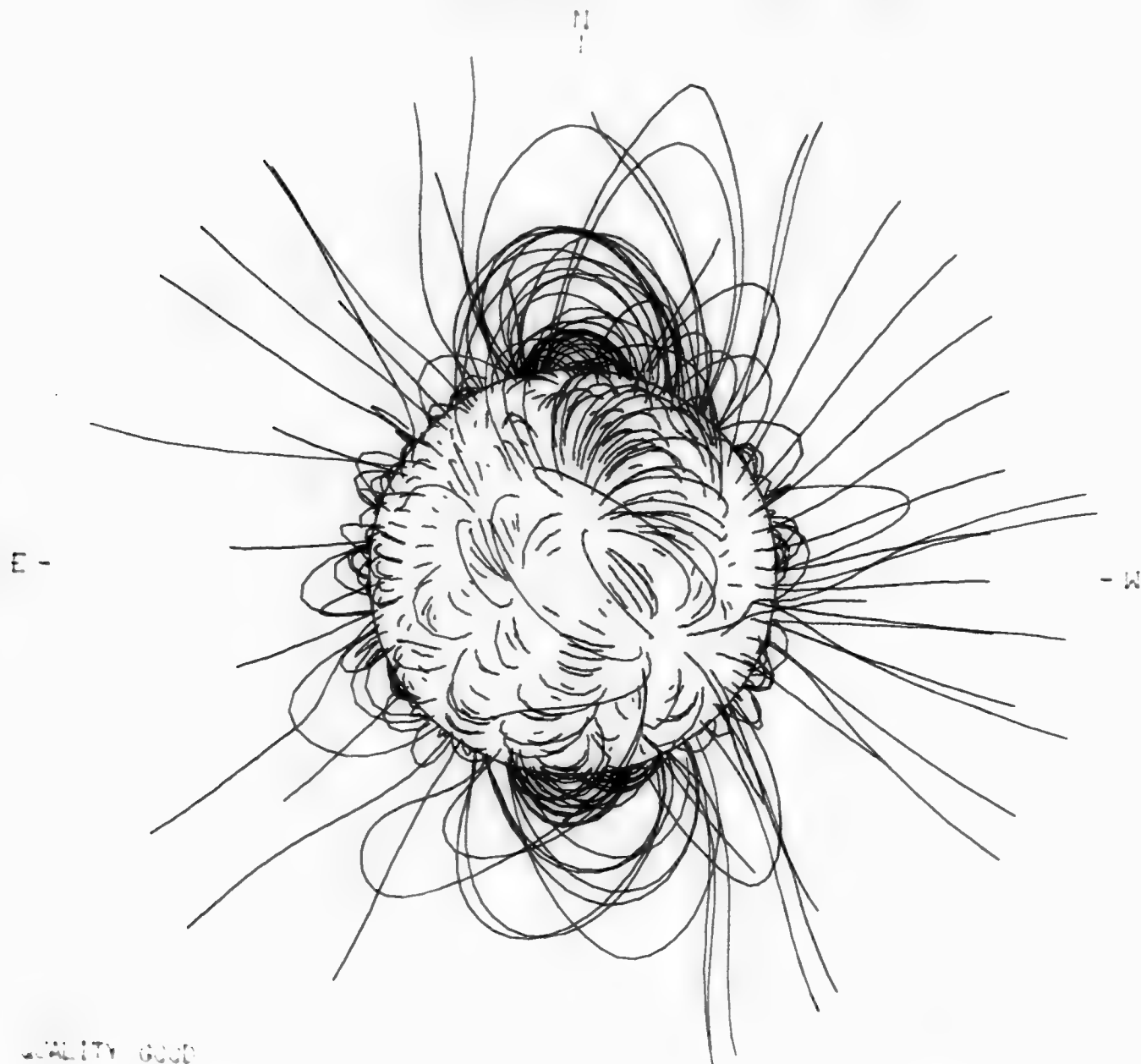
DATA WIND 1536.47

S

RUT. 1536 1536.47

23.1 1536

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

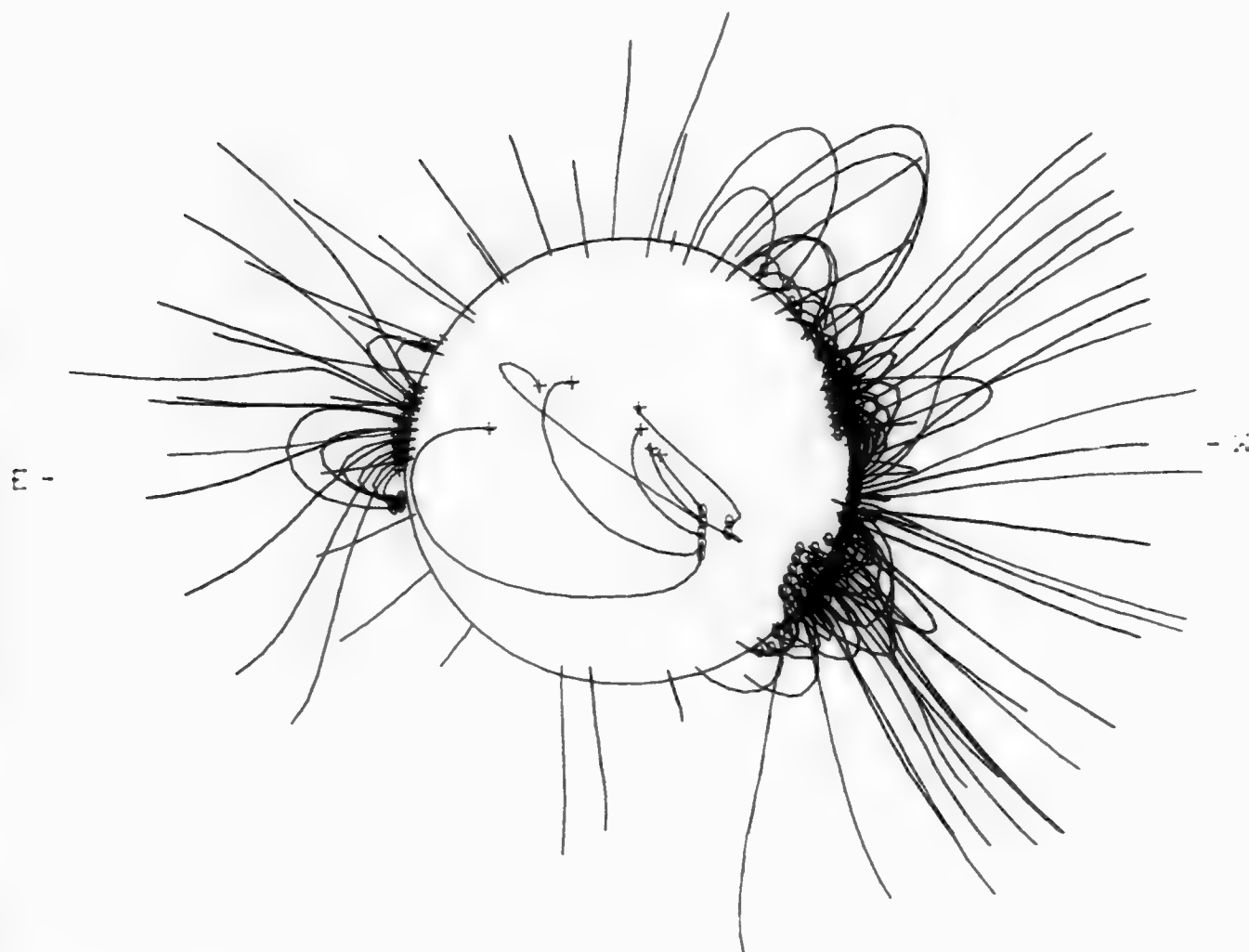
DATA WINDON 1536.07

S

ROT. 1536 LONG. 10°

23.9 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

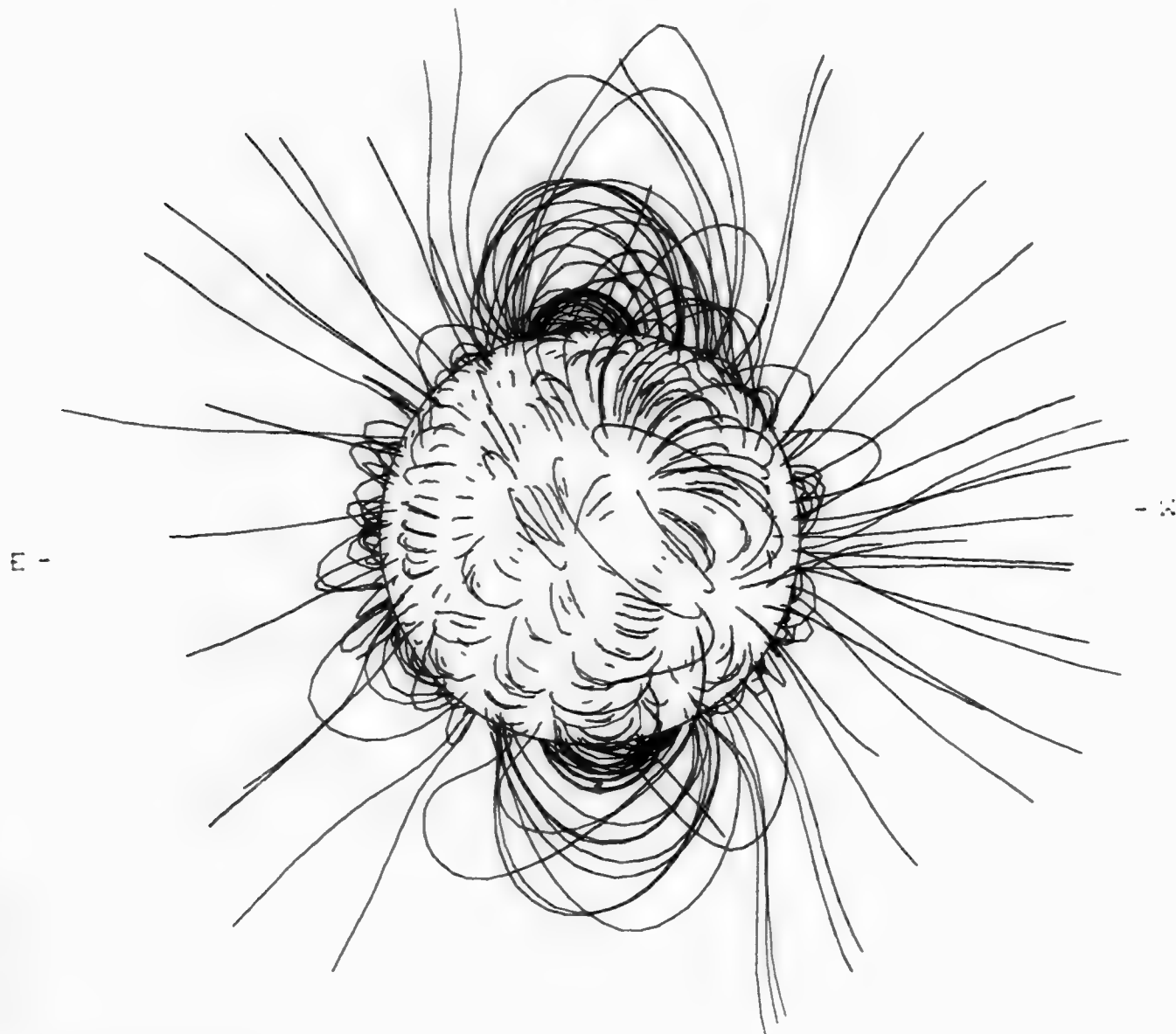


HALE
POLES DIRECT
DATA APRIL 1958

S

RCT. 1536 LANS. 10°
23.9 JUL 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

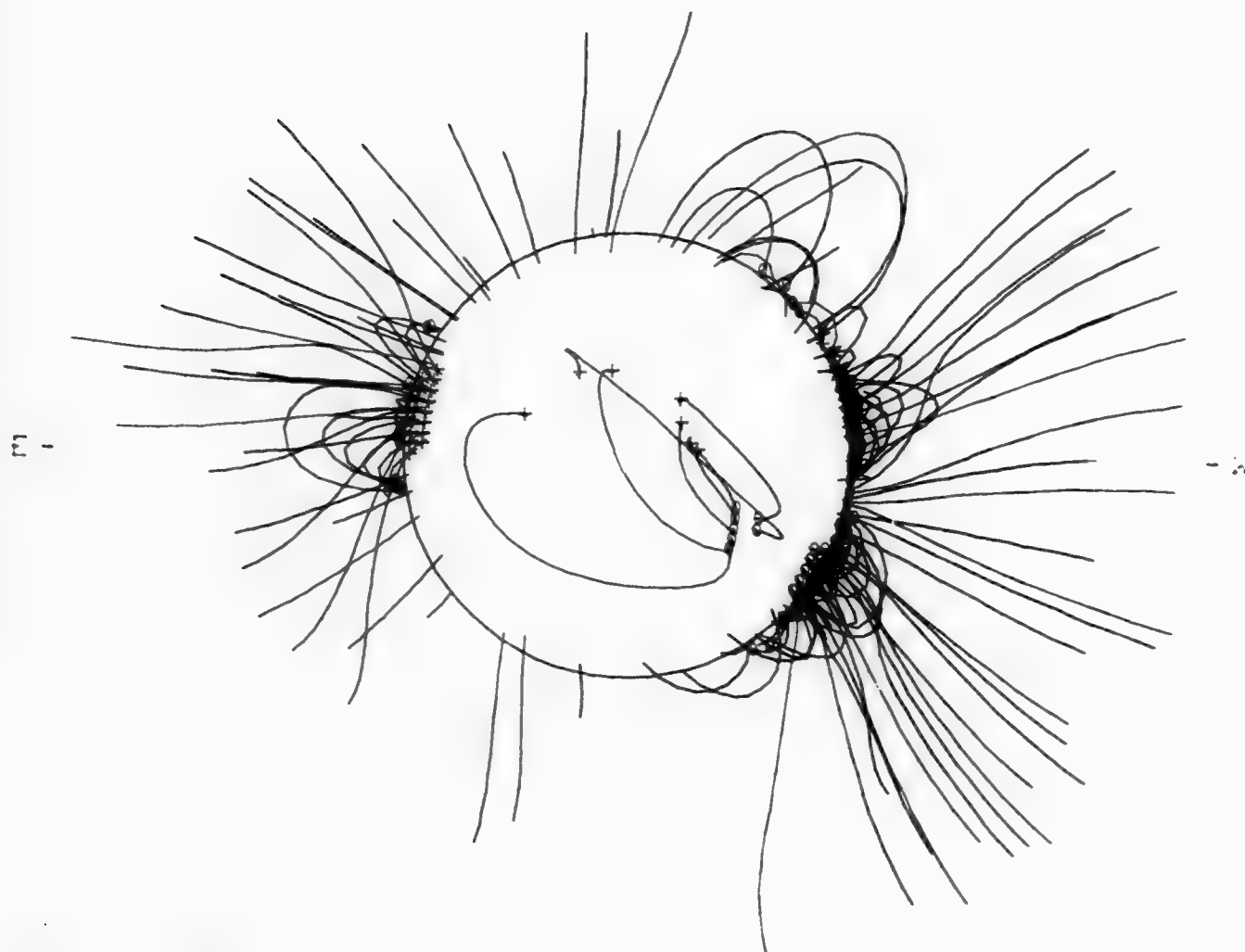


QUALITY GOOD
POLES DIRECT
DATA WINDOW 1536.47

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ROT. 1536 LONG. 0°
24.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

DATA WINDOW 1536.47

S

RUT. 1536 LONG. 1°

24.6 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

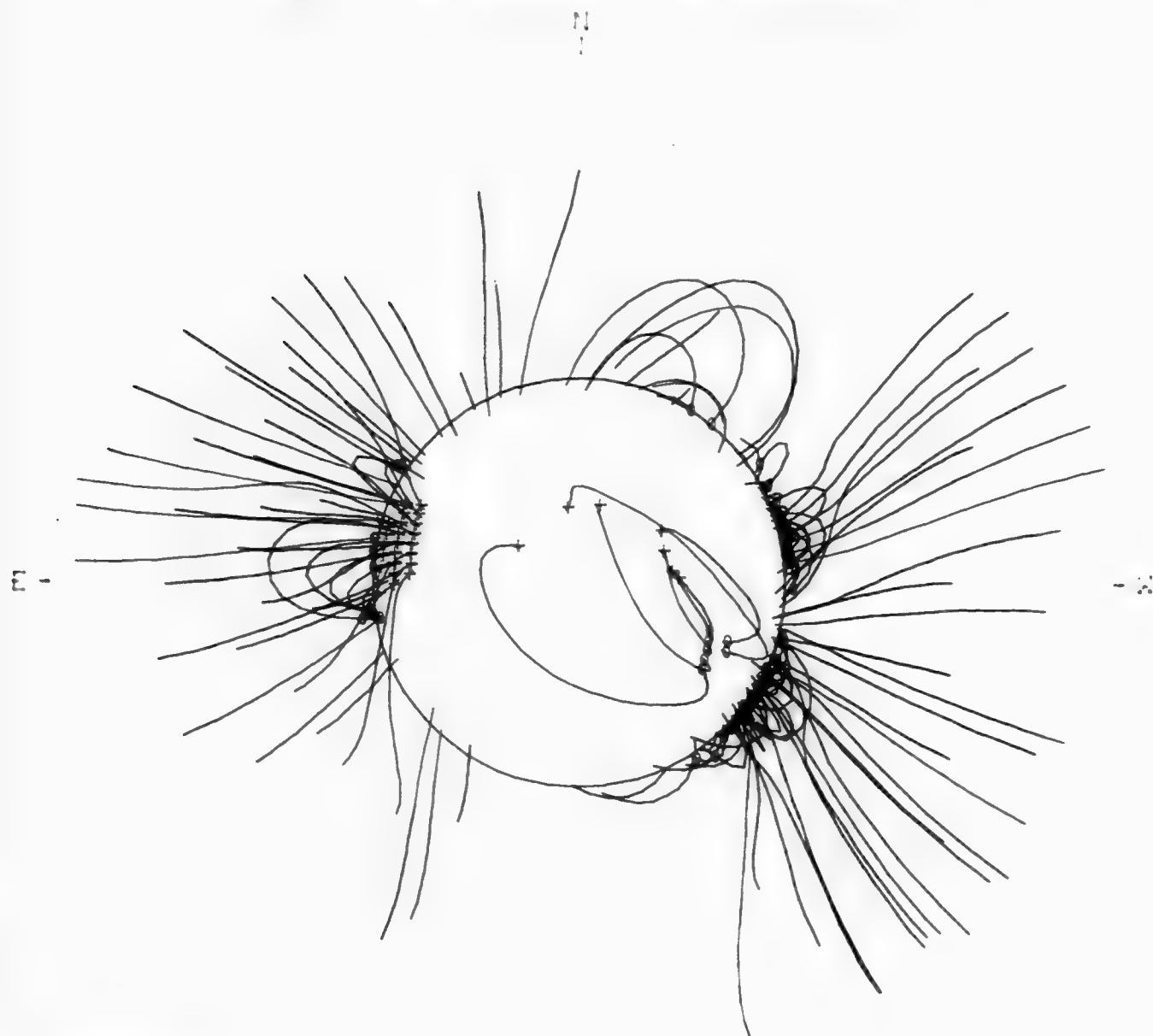


QUALITY GOOD
 POLES DIRECT
 DATA WINDOW 1536.47

1
 S

ROT. 1537 LONG. 501°
 25.4 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 8000

POLES DIRECT

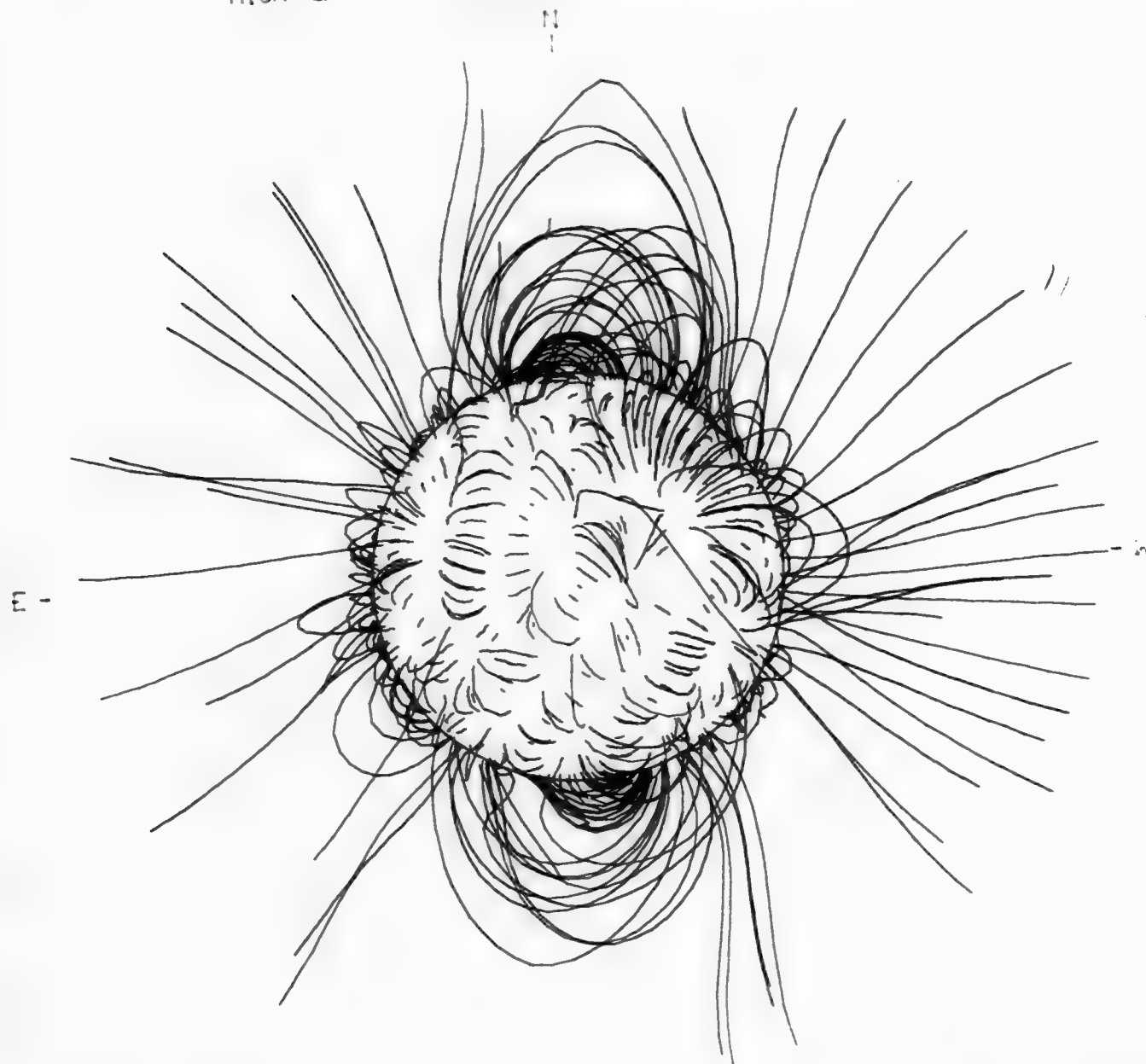
DATA WINDOW 1536.47

S

ROT. 1537 LONG. 350°

25.4 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

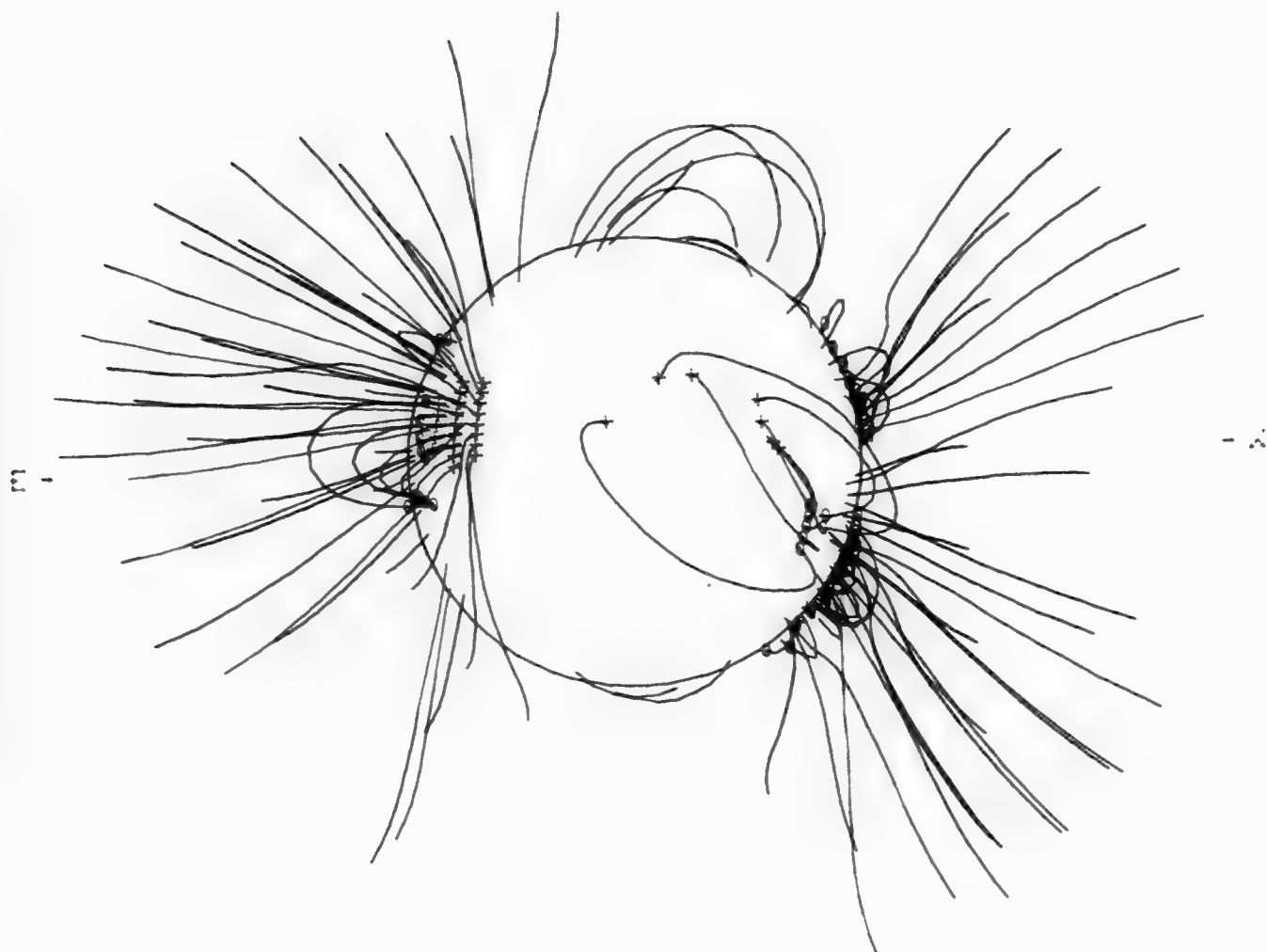


QUALITY GOOD
POLES DIRECT
DATA AND/OR 1536.47

S

ROT. '557 210. 341°
25.2 112 1798

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

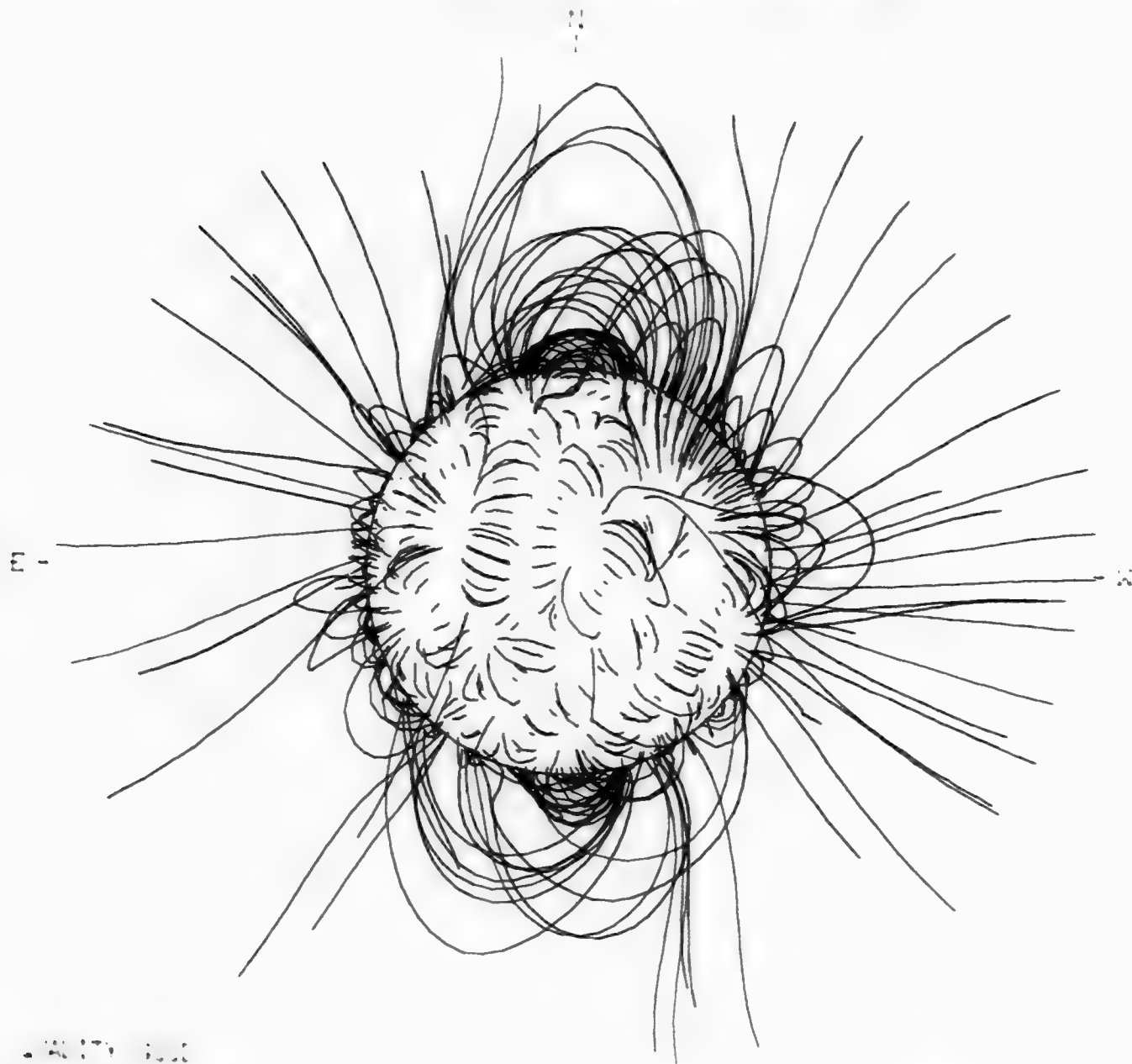


QUALITY 1000
 POLES DIRECT
 DATA WIND IN 1536.00

S

R.T. 1537 1536.300
 25.2 1536 1536

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100

FILES DIRECT

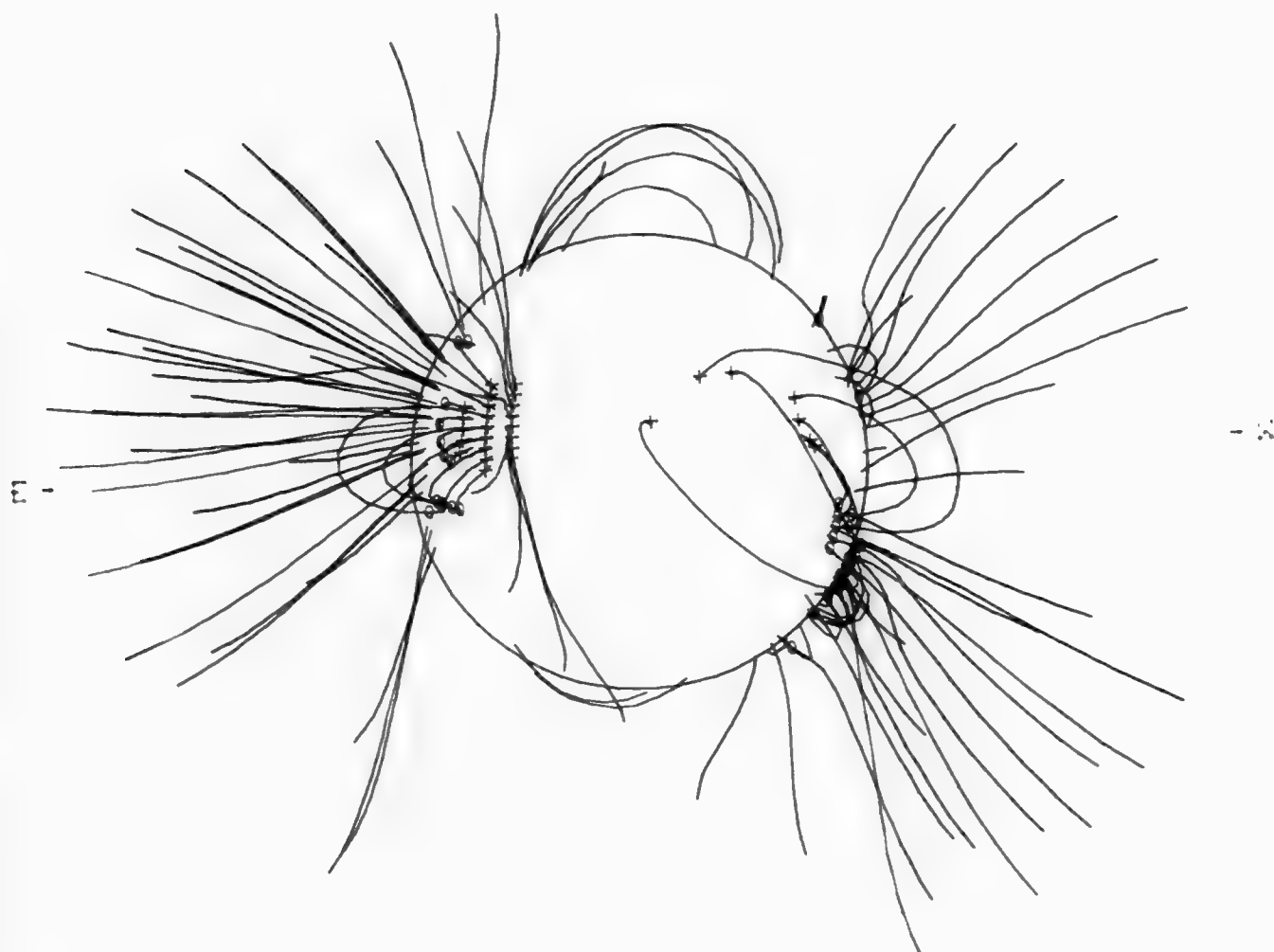
DATA APRIL 1955, 47

S

R.T. 1537 L.T. 330°

25.9 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

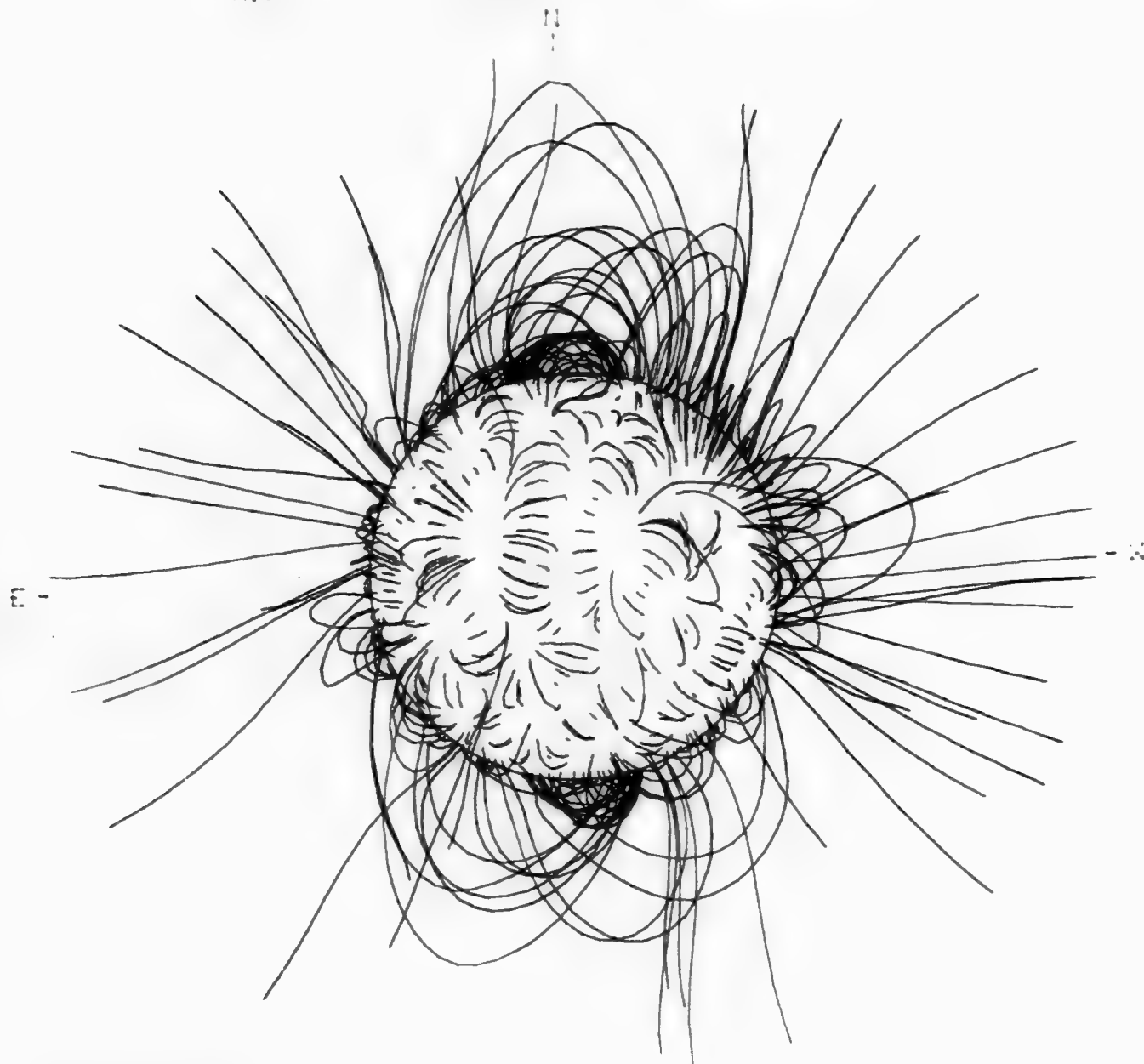


QUALITY 1.00
 POLES DIRECT
 DATA ACQUISITION 1550.47

S

ROT. 537 LONG. 330
 20.9 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

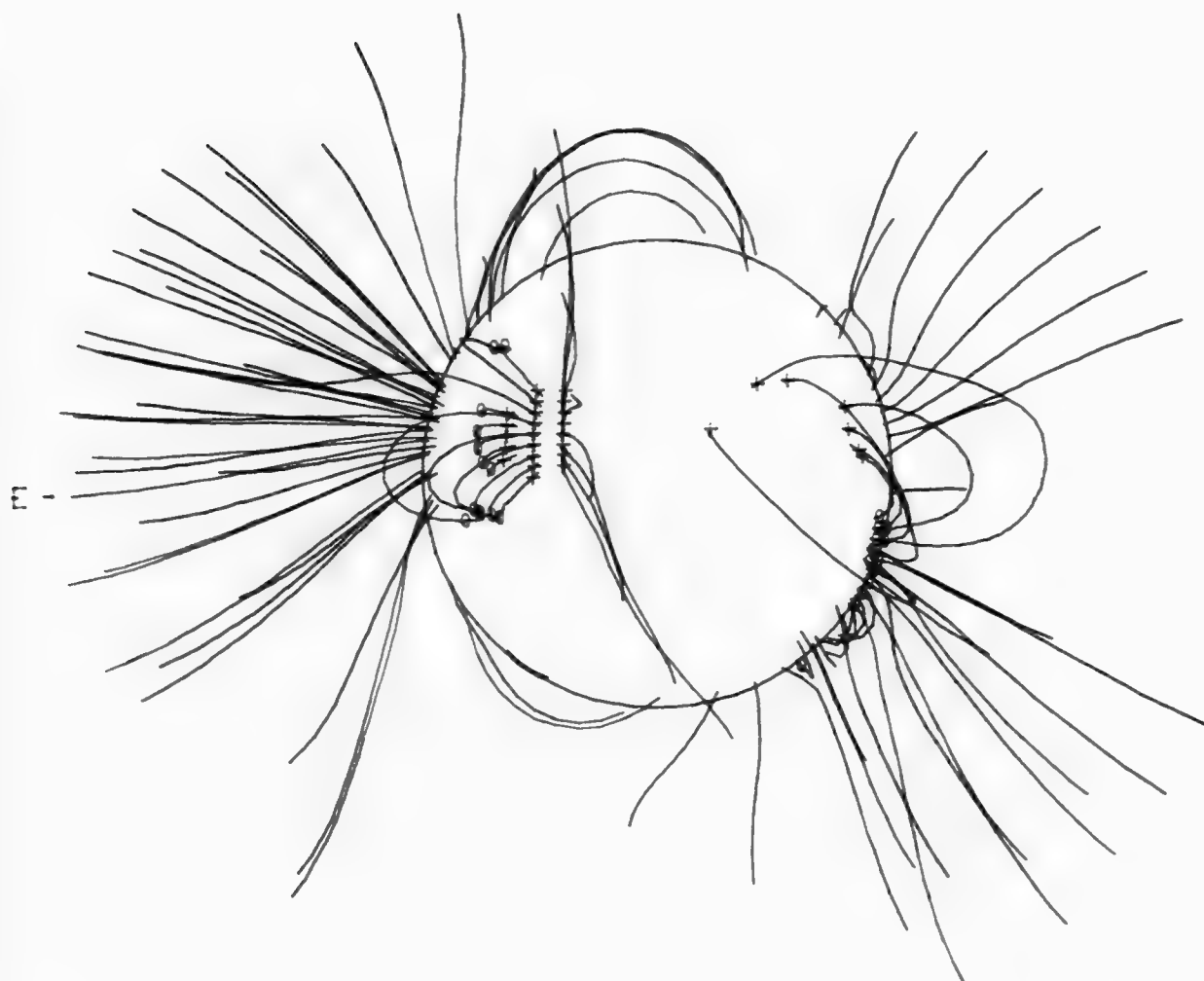


ALTIMETER 3000
 POLES DIRECT
 DATA WINDOW 1536.47

S

ROT. 1537 LONG. 301°
 27.7 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

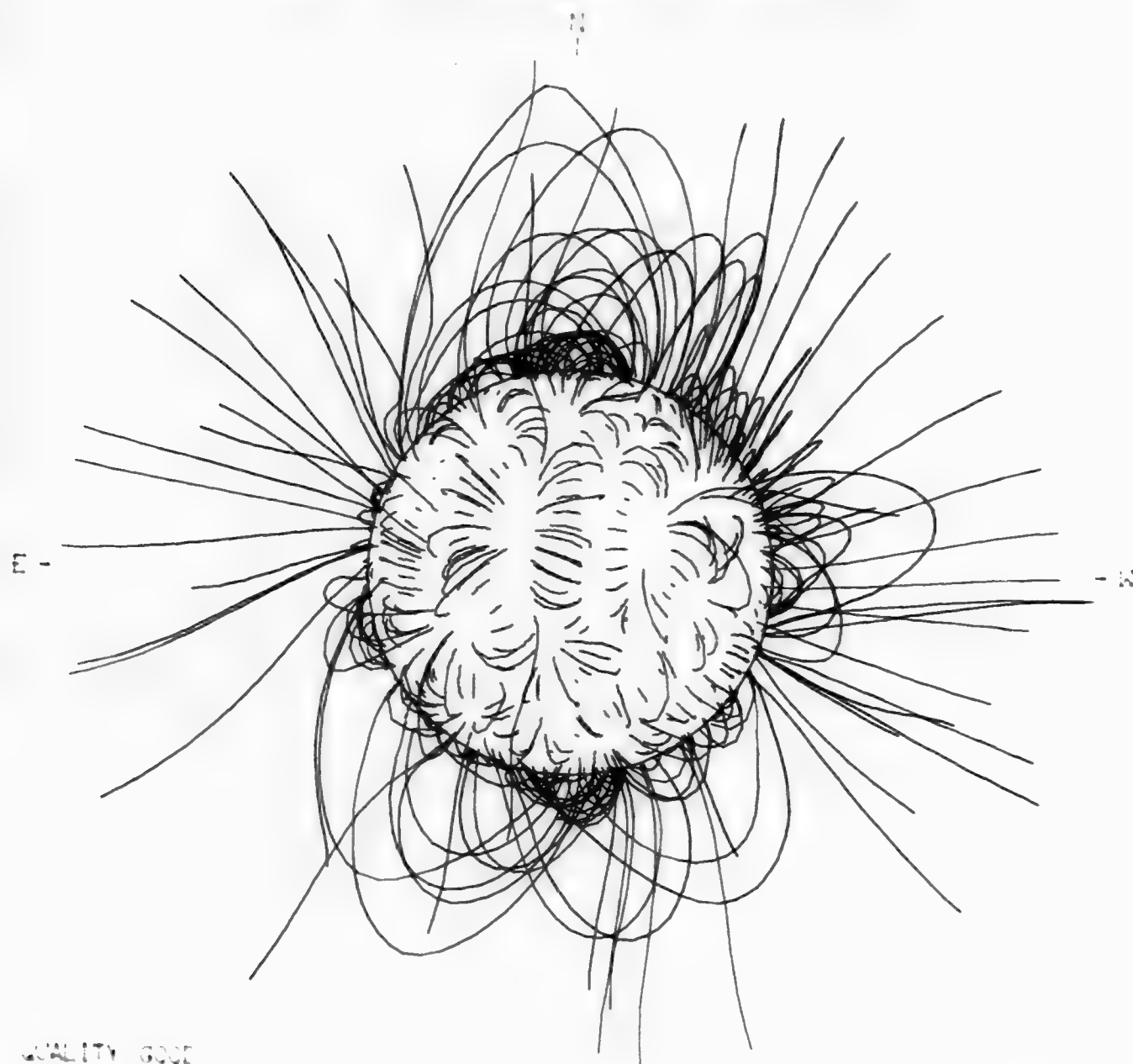


QUALITY GOOD
 POLES DIRECT
 DATA AREA 1536.47

S

R.T. 1537 2013.320°
 27.7 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

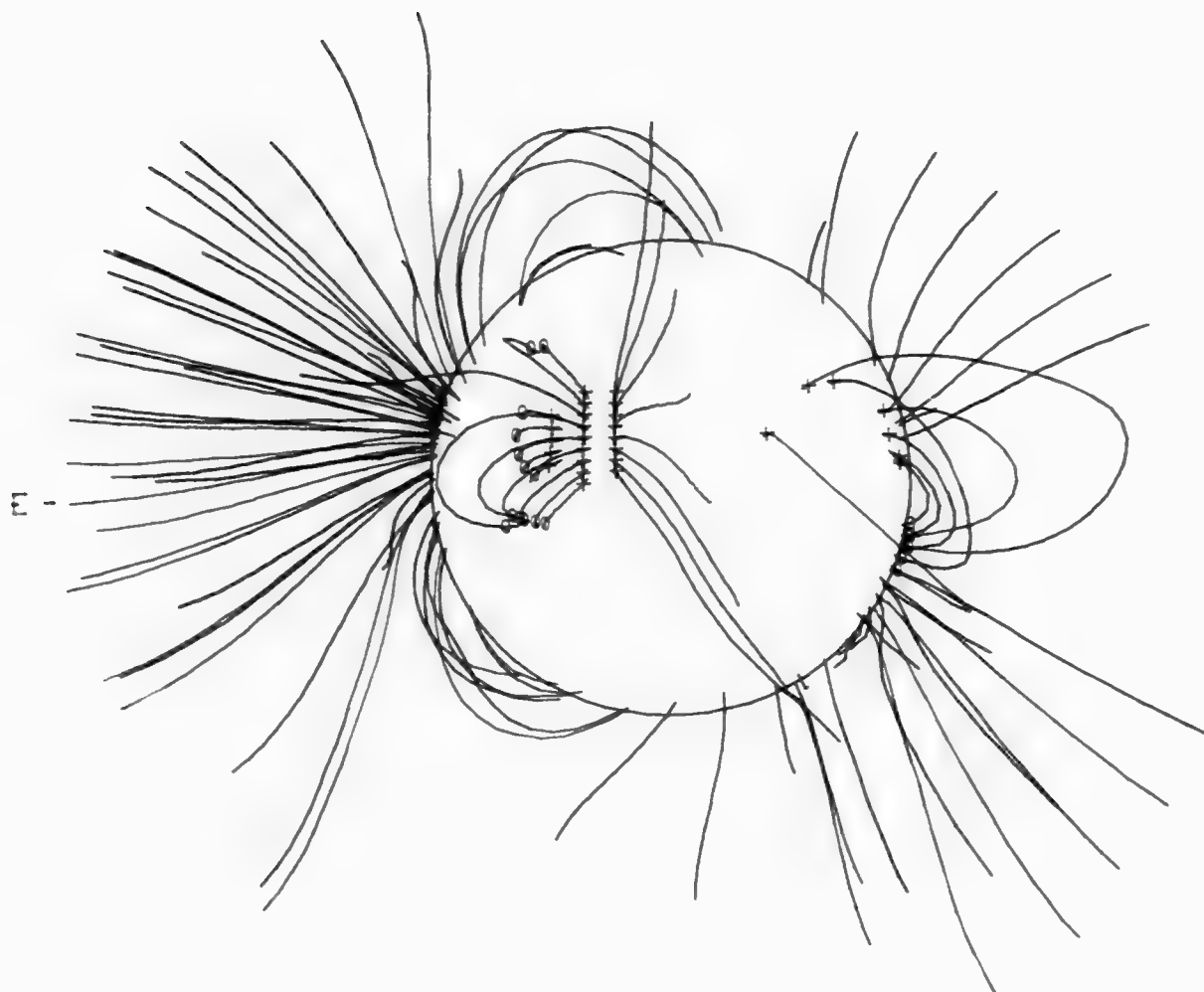
DATA WINDOW 1536,47

S

ROT. 1537 LONG. 310°

28.4 01 1998

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

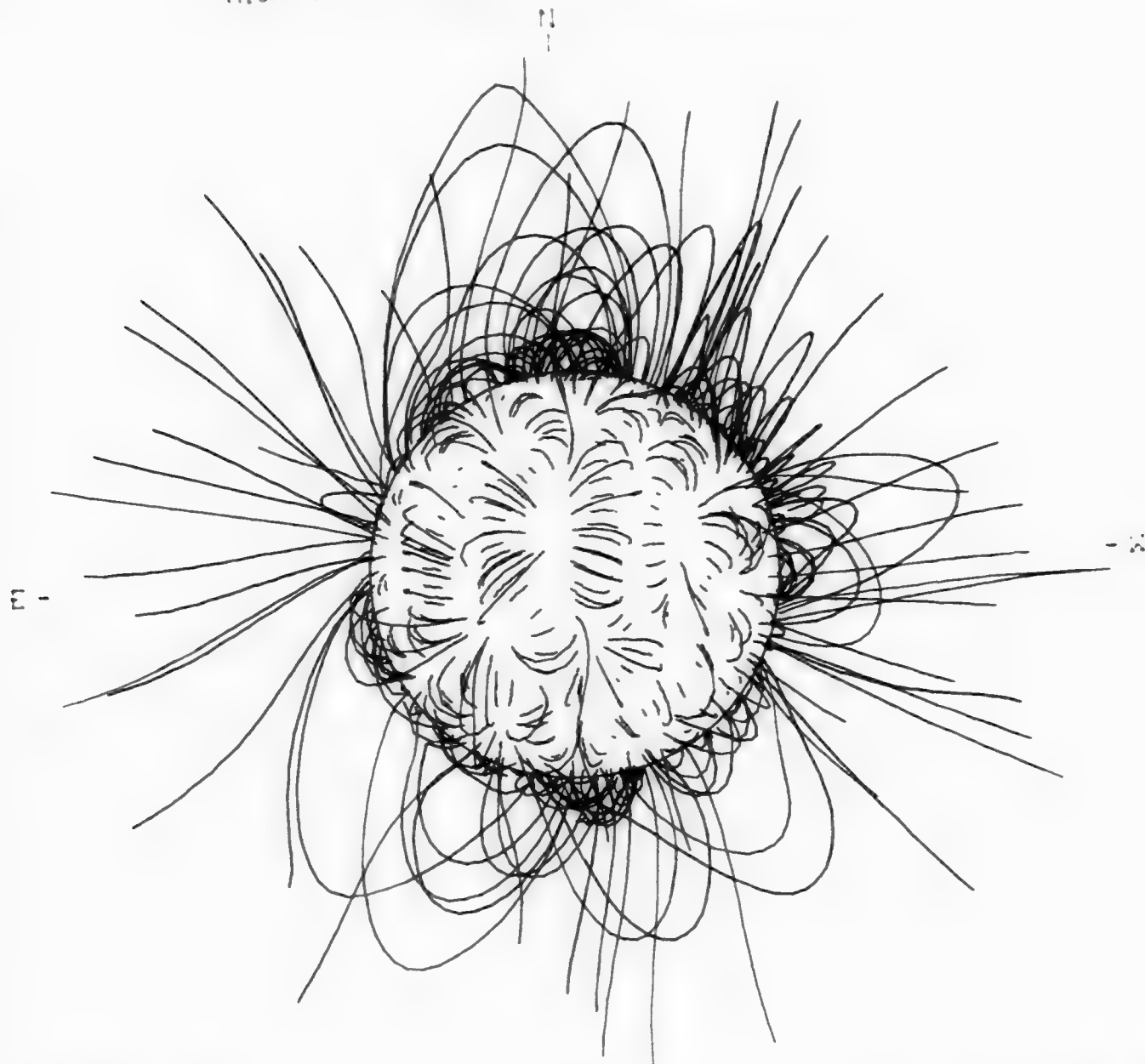


QUALITY GOOD
 POLES DIRECT
 DATA WINDOW 1536.47

S

RUT. 537 2013. 5'10"
 28.4 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



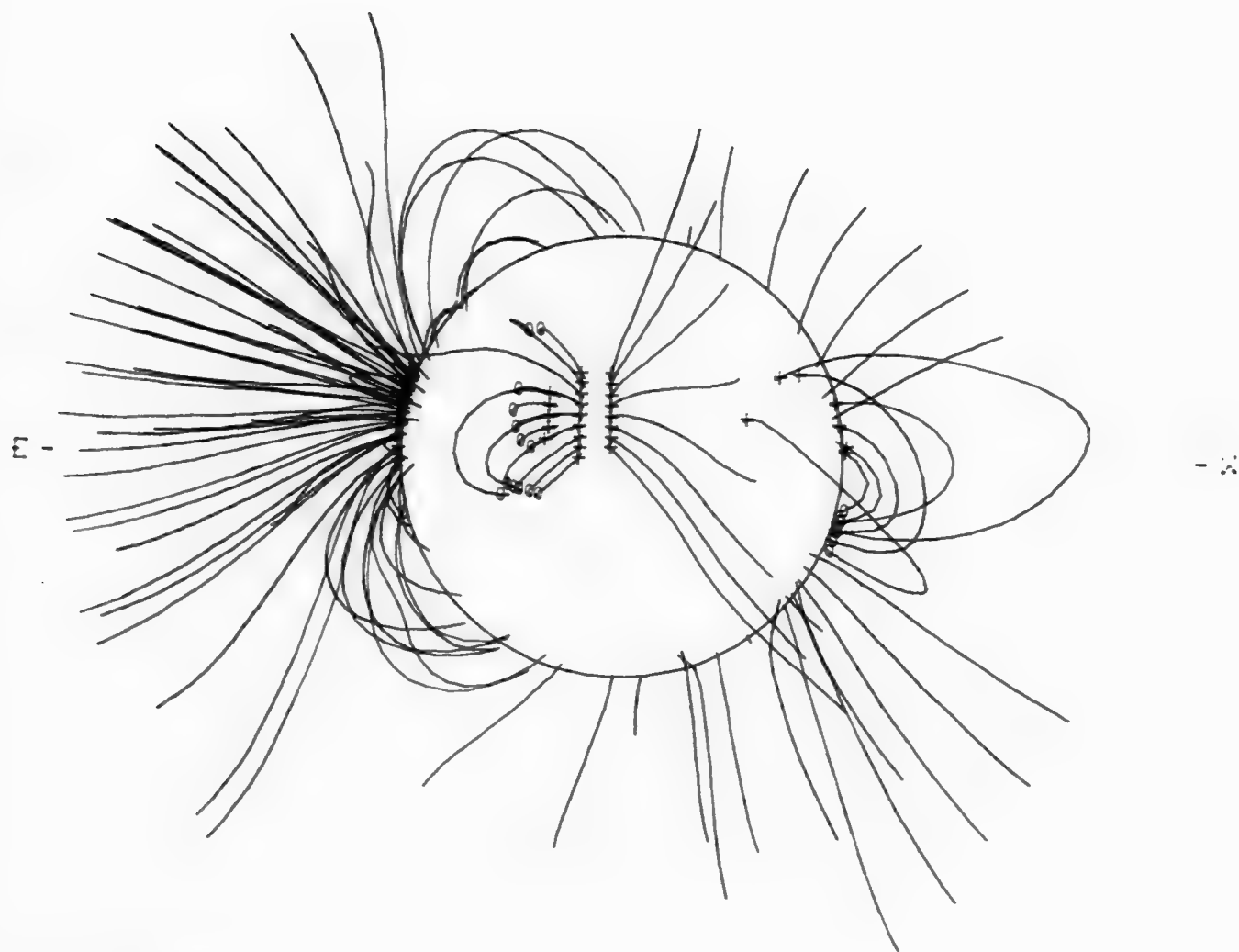
QUALITY 100
FILES 1000
DATA 1000 1530.47

S

ROT. 1537 LONG. 311°
29.2 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY 3.00

POLES DIRECT

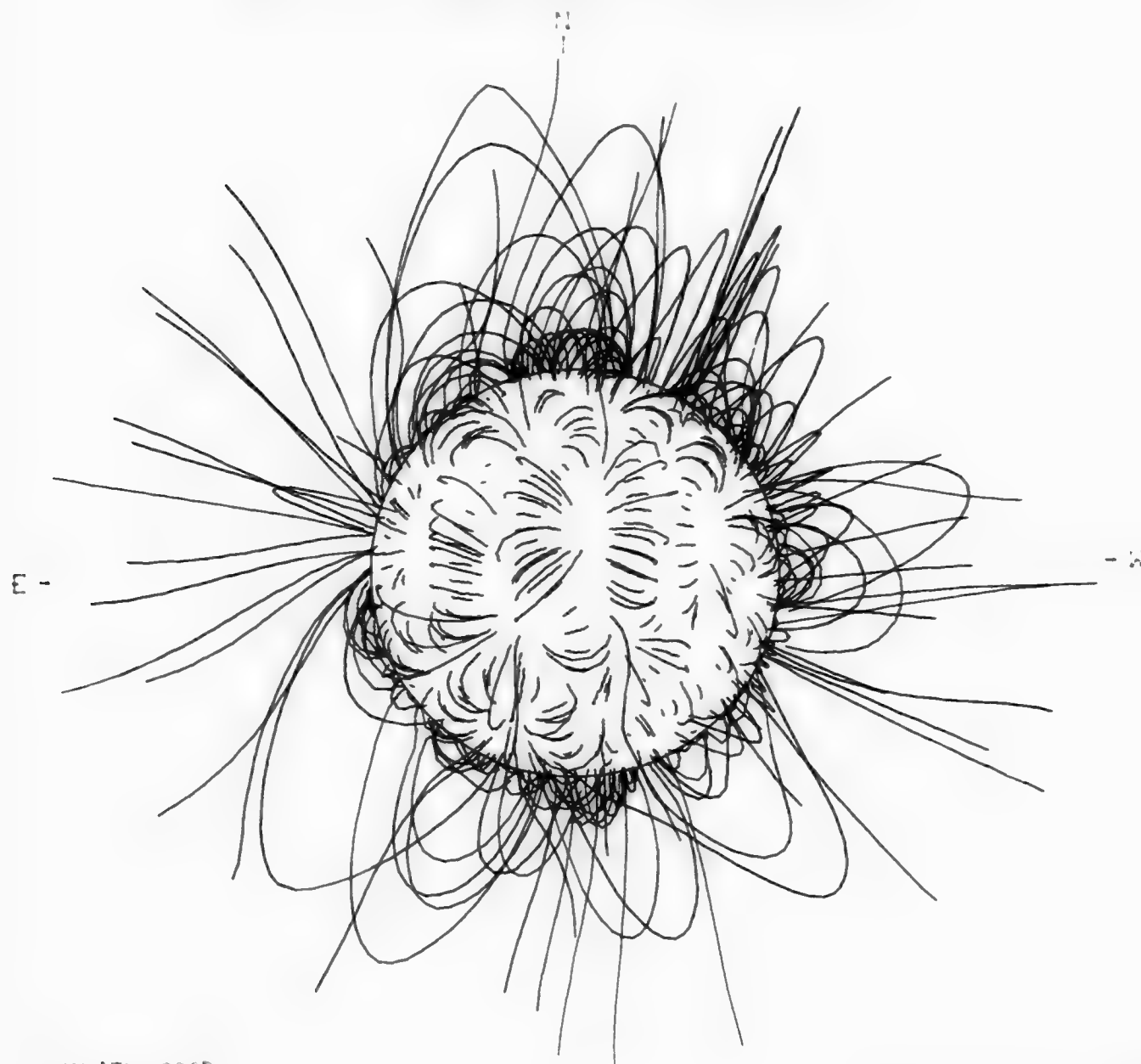
DATA WINDOW 1536.47

S

R.T. 1537 L.T.G. 311°

29.2 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

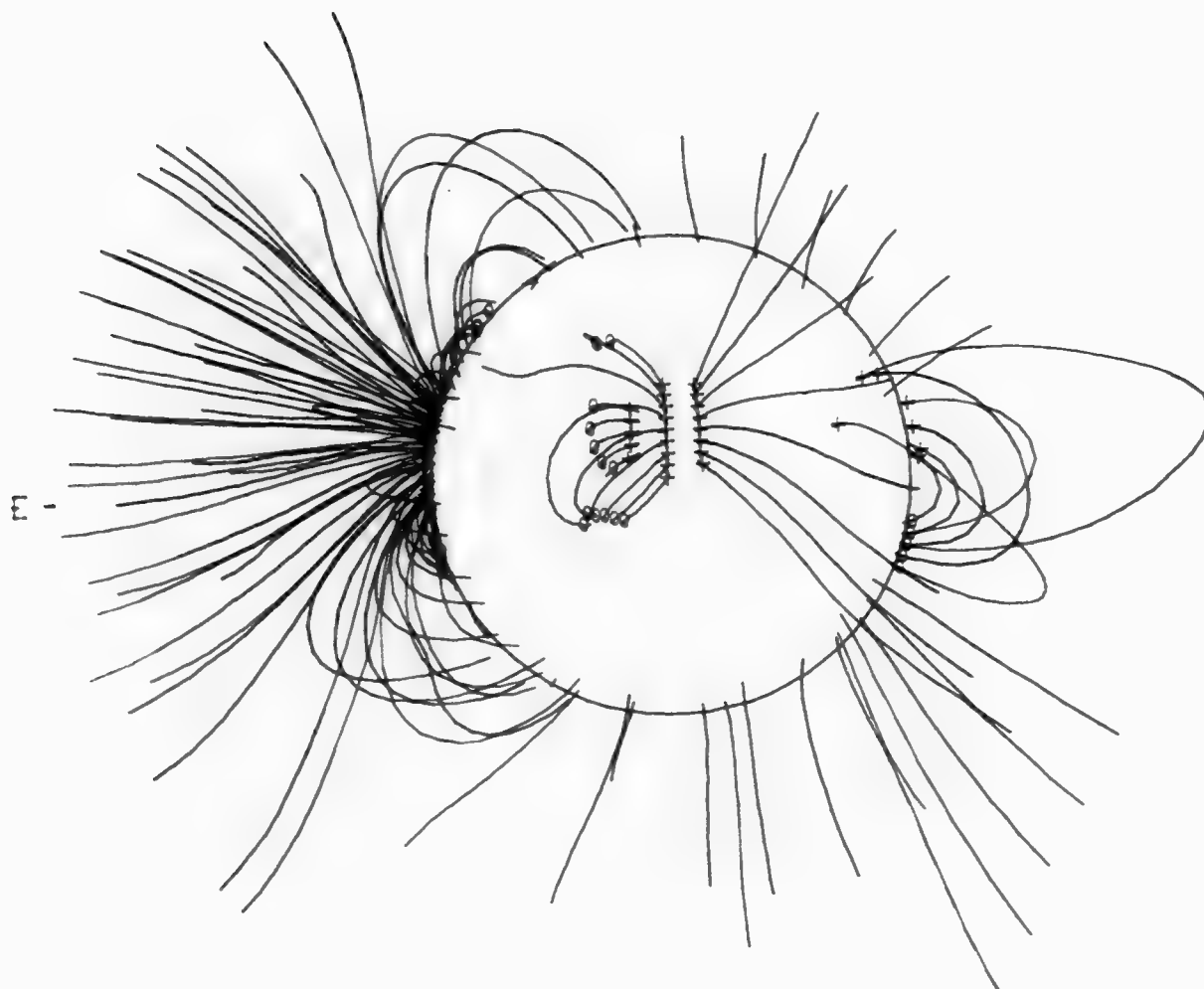
DATA WINDOW 1536.47

S

RUT. 1537 LING. 291°

29.9 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

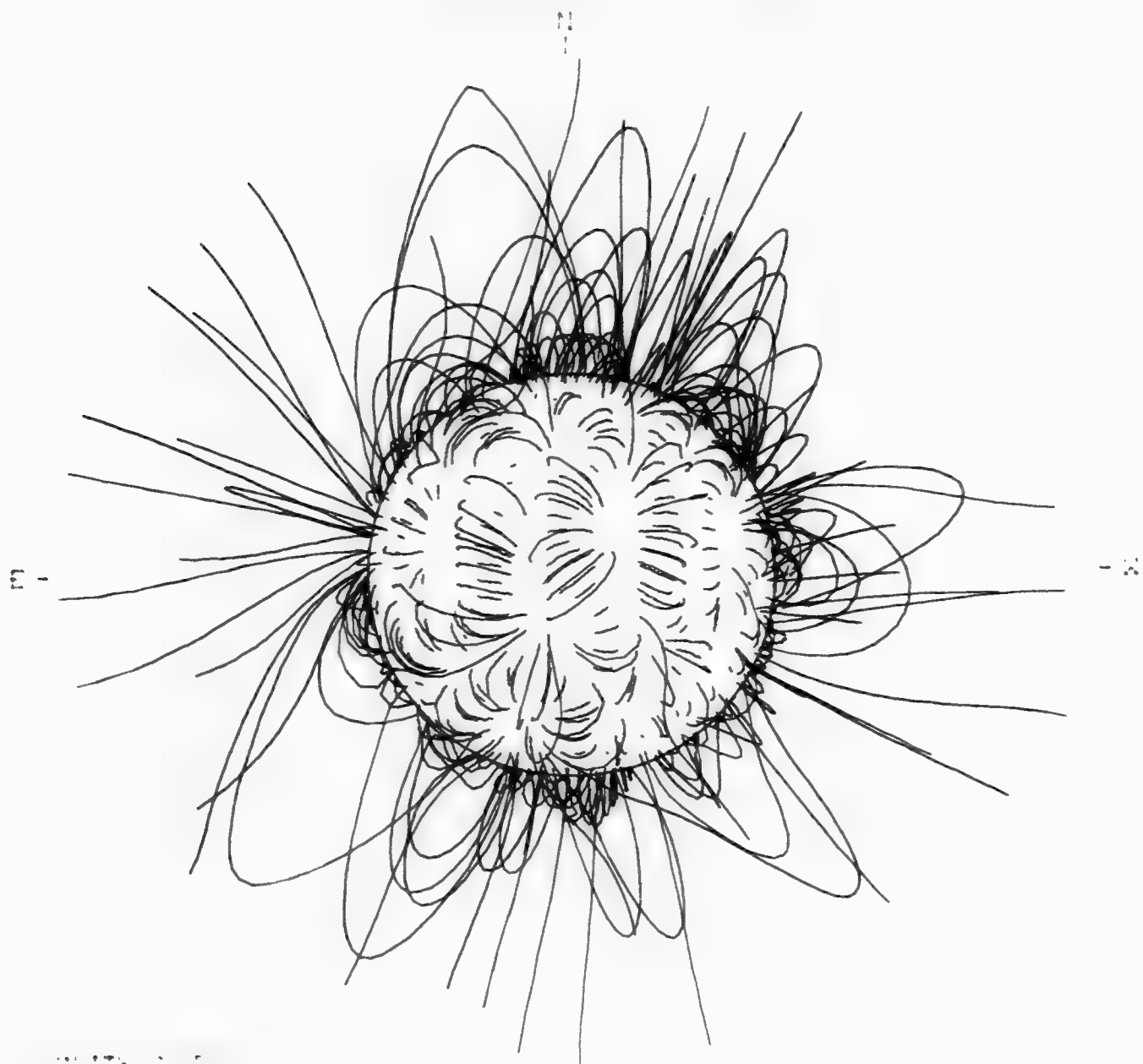


QUALITY 3.00
 POLES DIRECT
 DATA ANGLE 1536.47

S

ROT. 1537 2010.290°
 29.9 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 3.00

POLES DIRECT

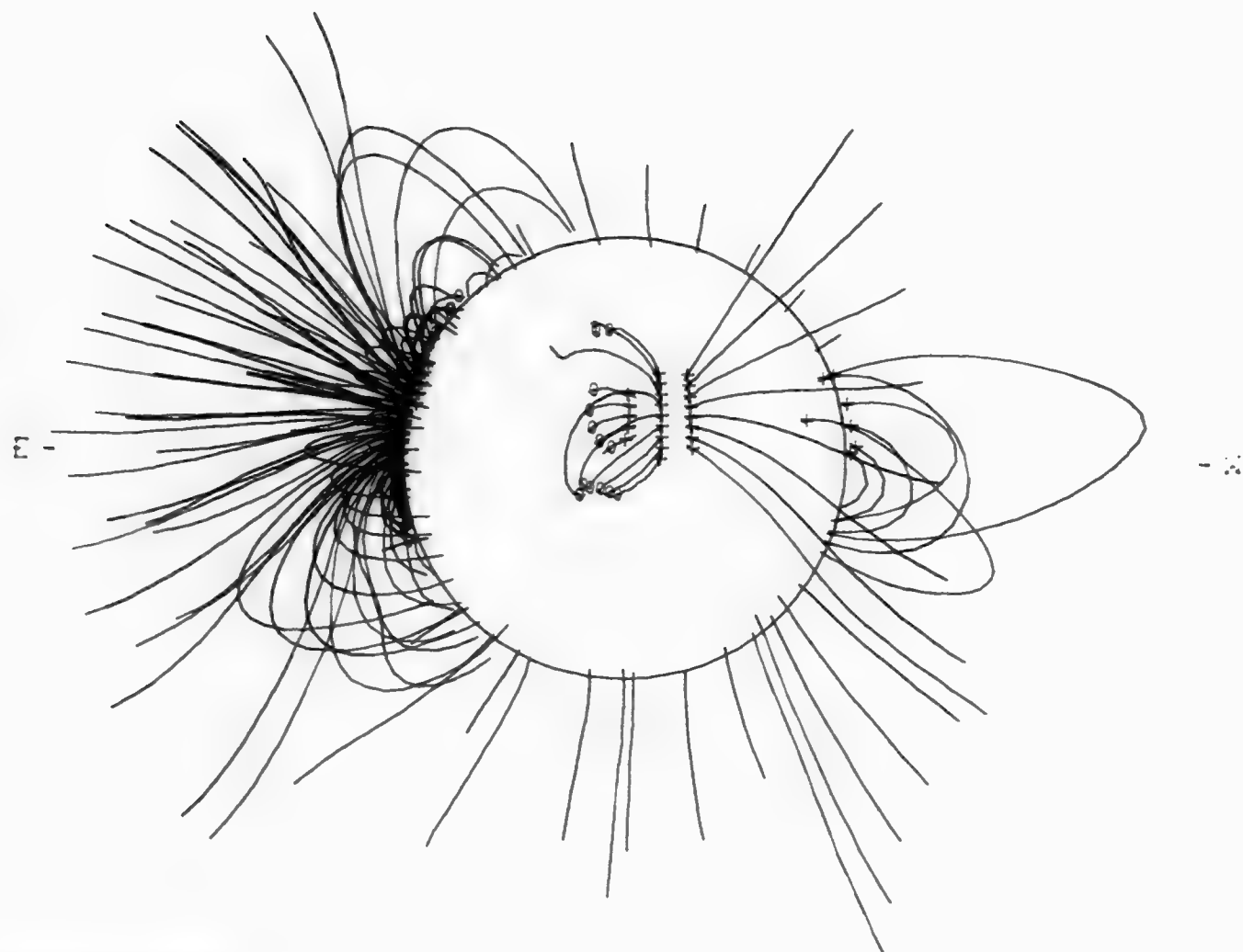
DATA NUMBER 1536.47

S

RUT. 1537 LONG. 251°

30.7 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

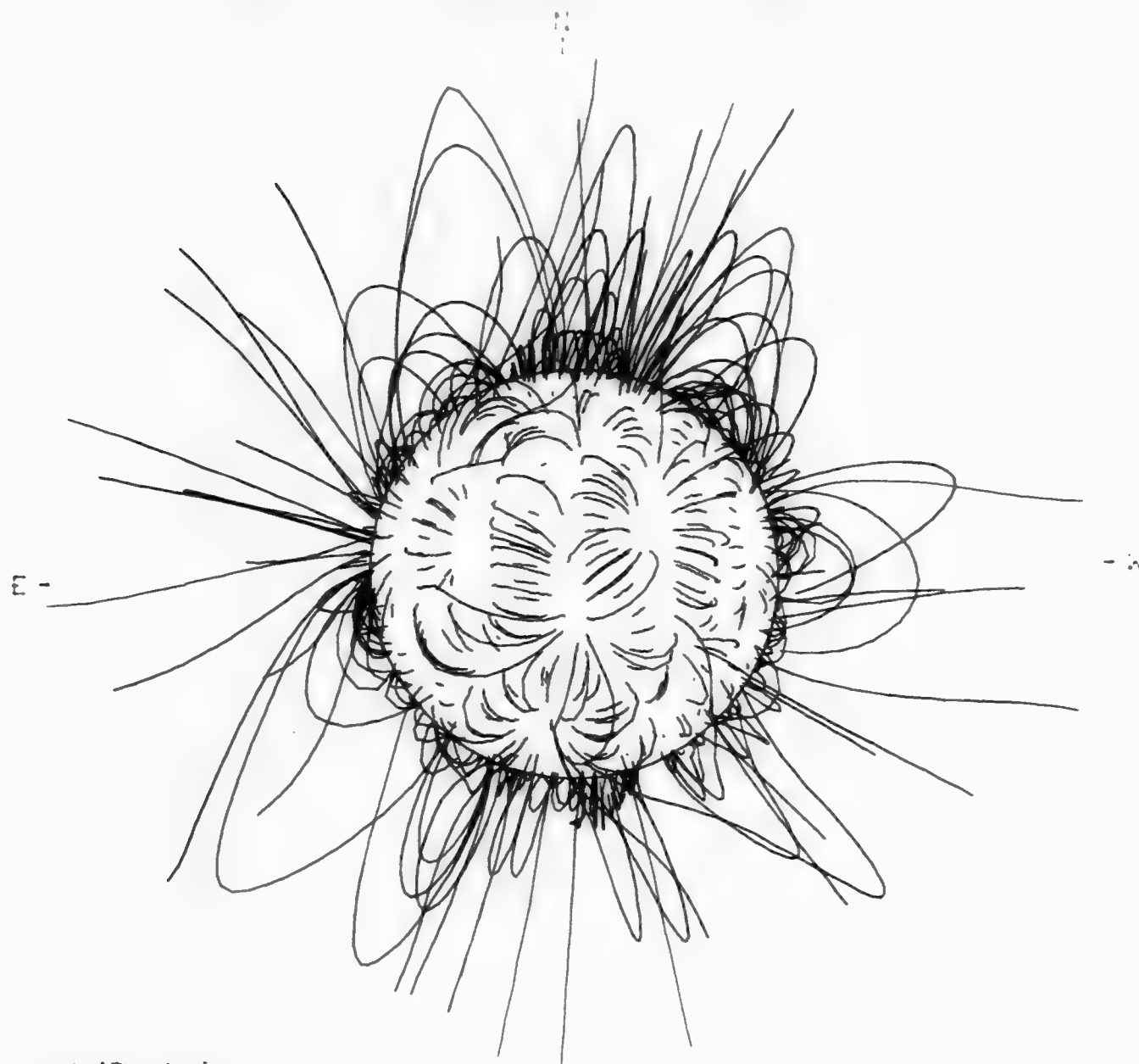
DATA WINDOW 1536.47

S

RUT. 1537 LONG. 281°

30.7 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.00

POLES DIRECT

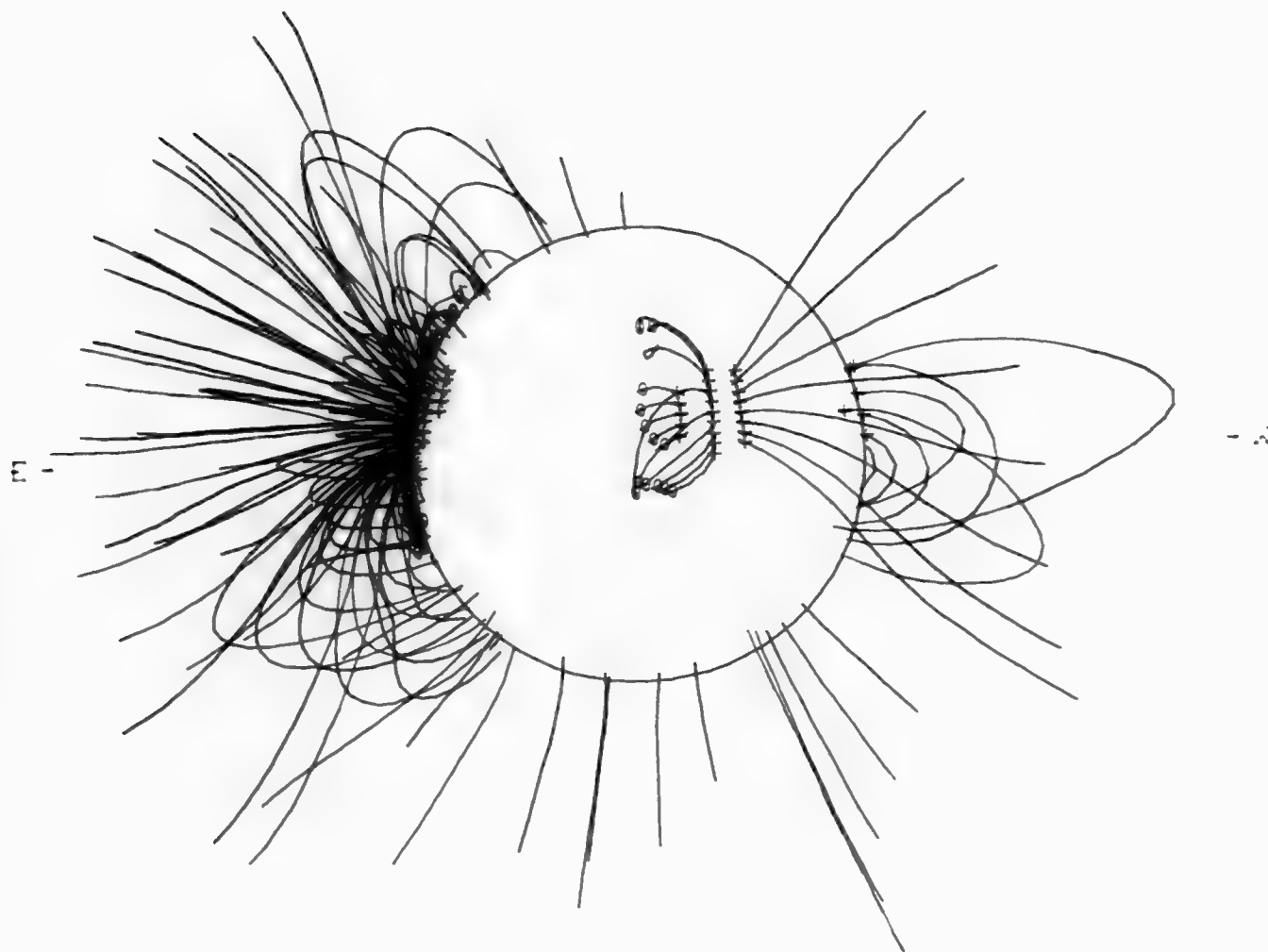
DATA WINDOW 1536.4"

S

ROT. 1537 1000.270°

31.5 100 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 RULES DIRECT
 DATA WINDOW 1536.47

S

8.7. '537 21.3. 271°
 3.5 11 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY 1000

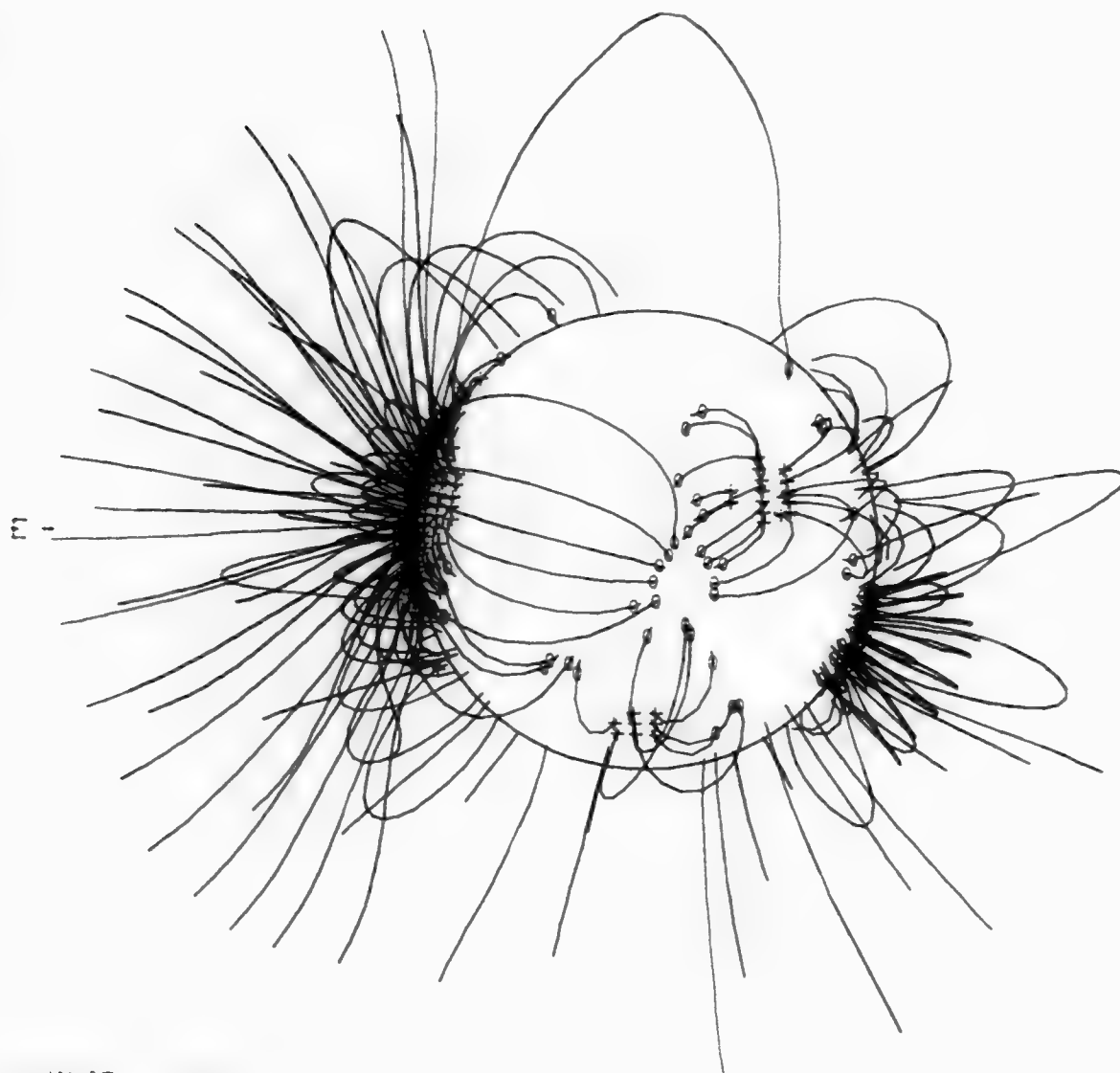
FILED 1967

DATA WINDOW 1537.00

RET. 1537 1000.000

1.0 1.0 1.0

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

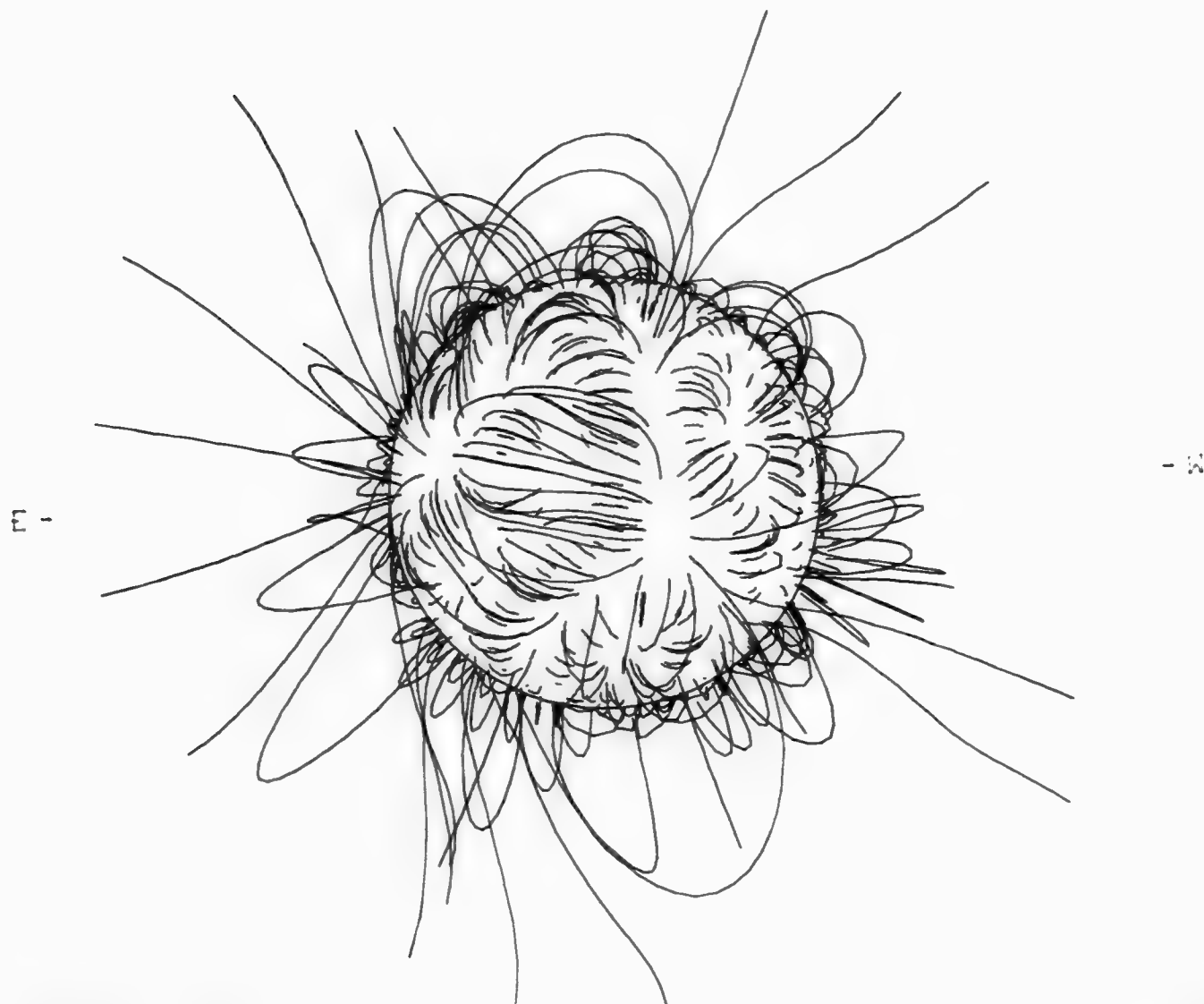
DATA WINDOW 1537.00

S

ROT. 1537 LONG. 250°

1.2 AUG 1966

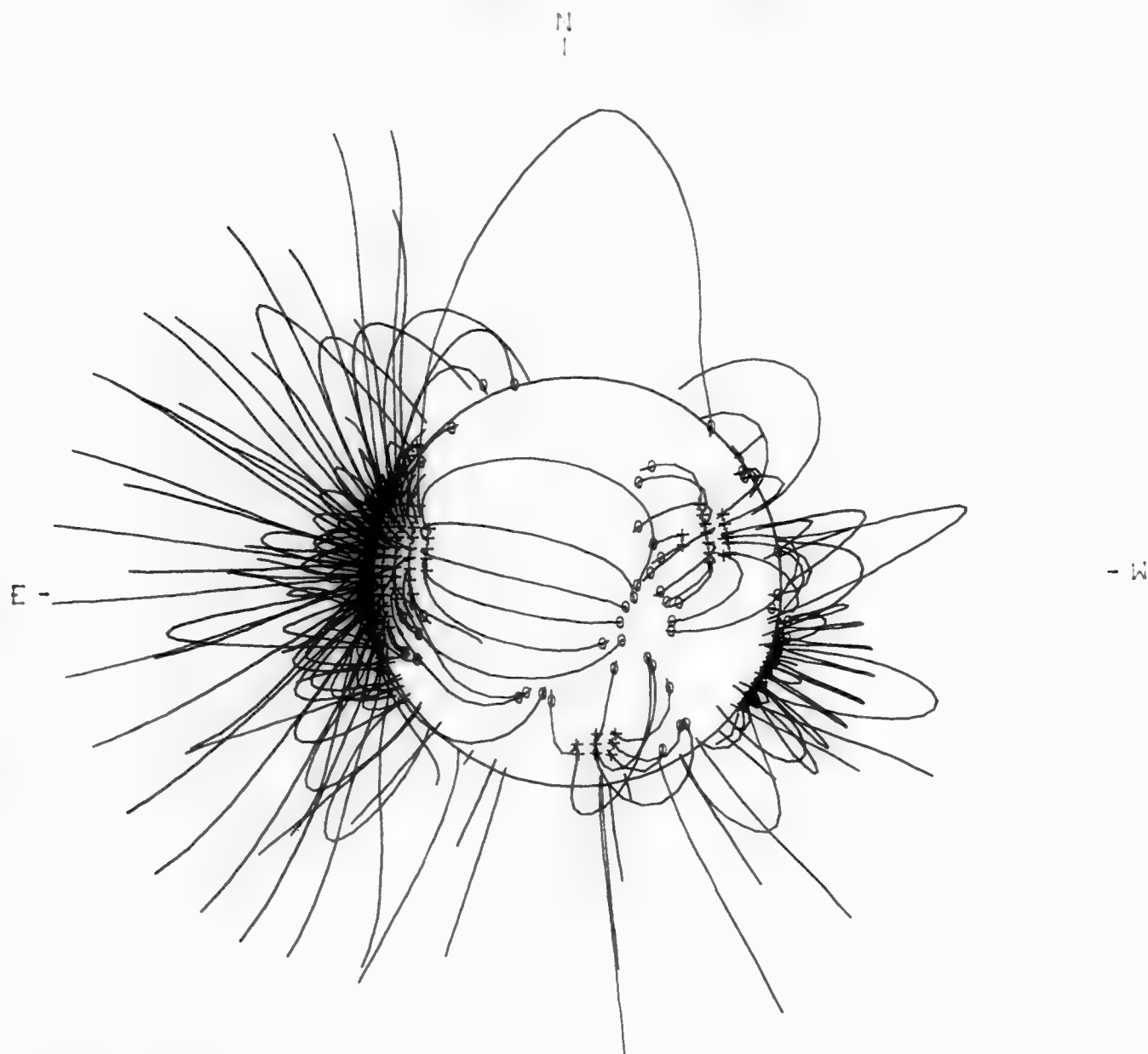
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES DIRECT
DATA WINDOW 1537.00

ROT. 1537 LONG. 250°
1.9 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

DATA WINDOW 1537.00

S

ROT. 1537 LONG. 250°

1.9 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES DIRECT

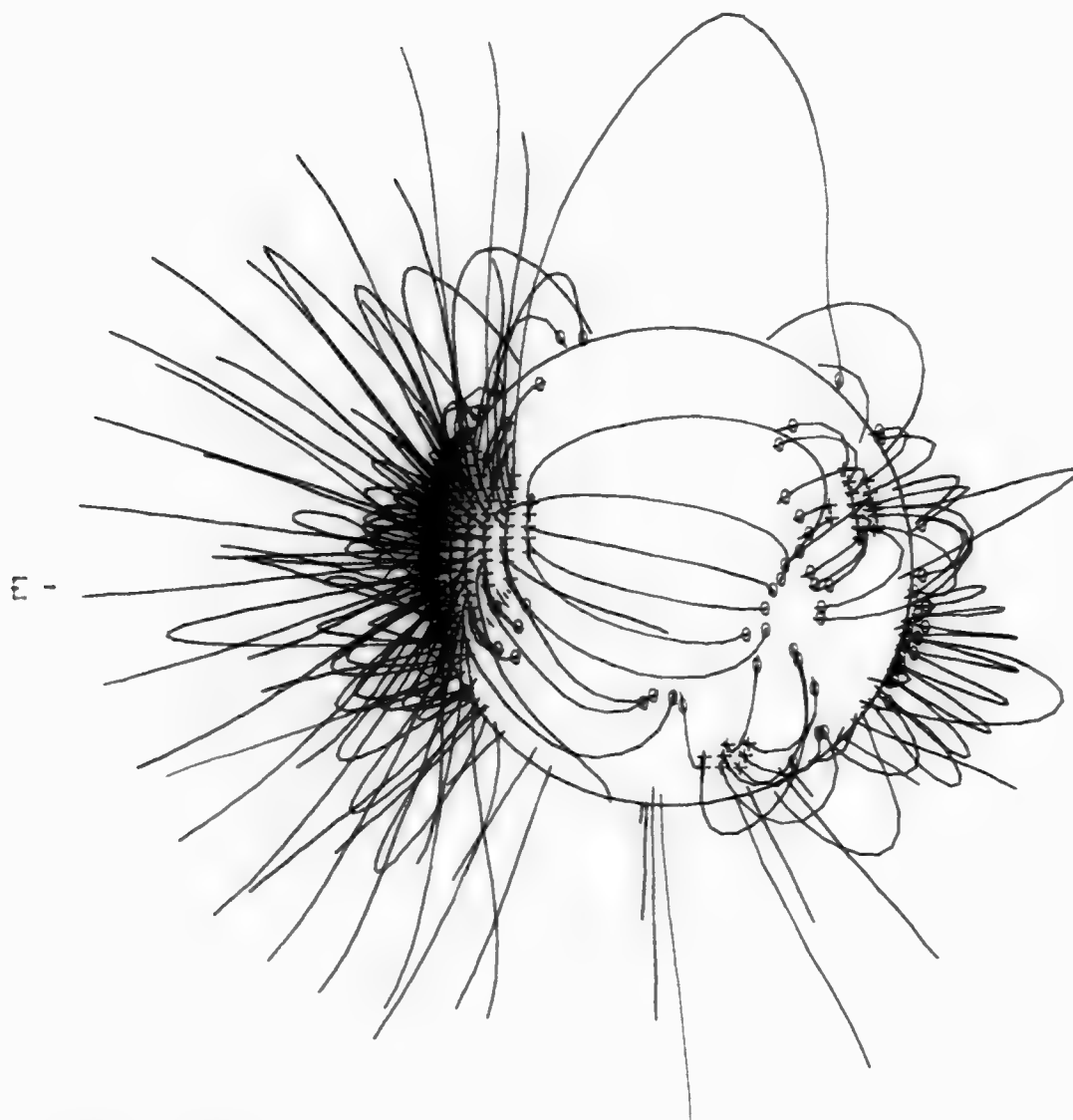
DATA WINDOW 1537.00

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S

RCT. 1537 LONG. 240°

2.7 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



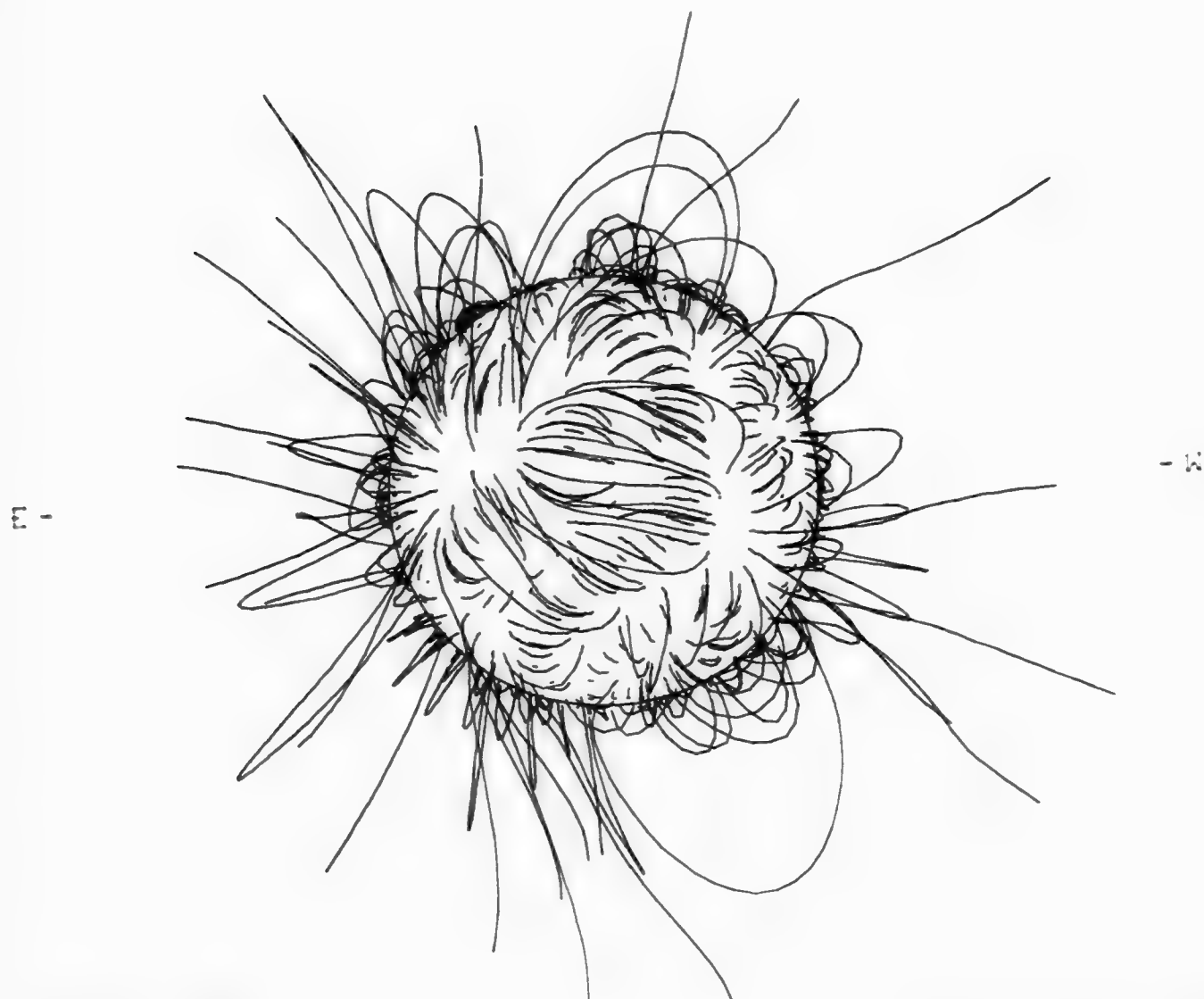
QUALITY GOOD

POLES DIRECT

DATA WIND IN 1537.00

R.T. 1537 2010. 241°
2.7 413 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

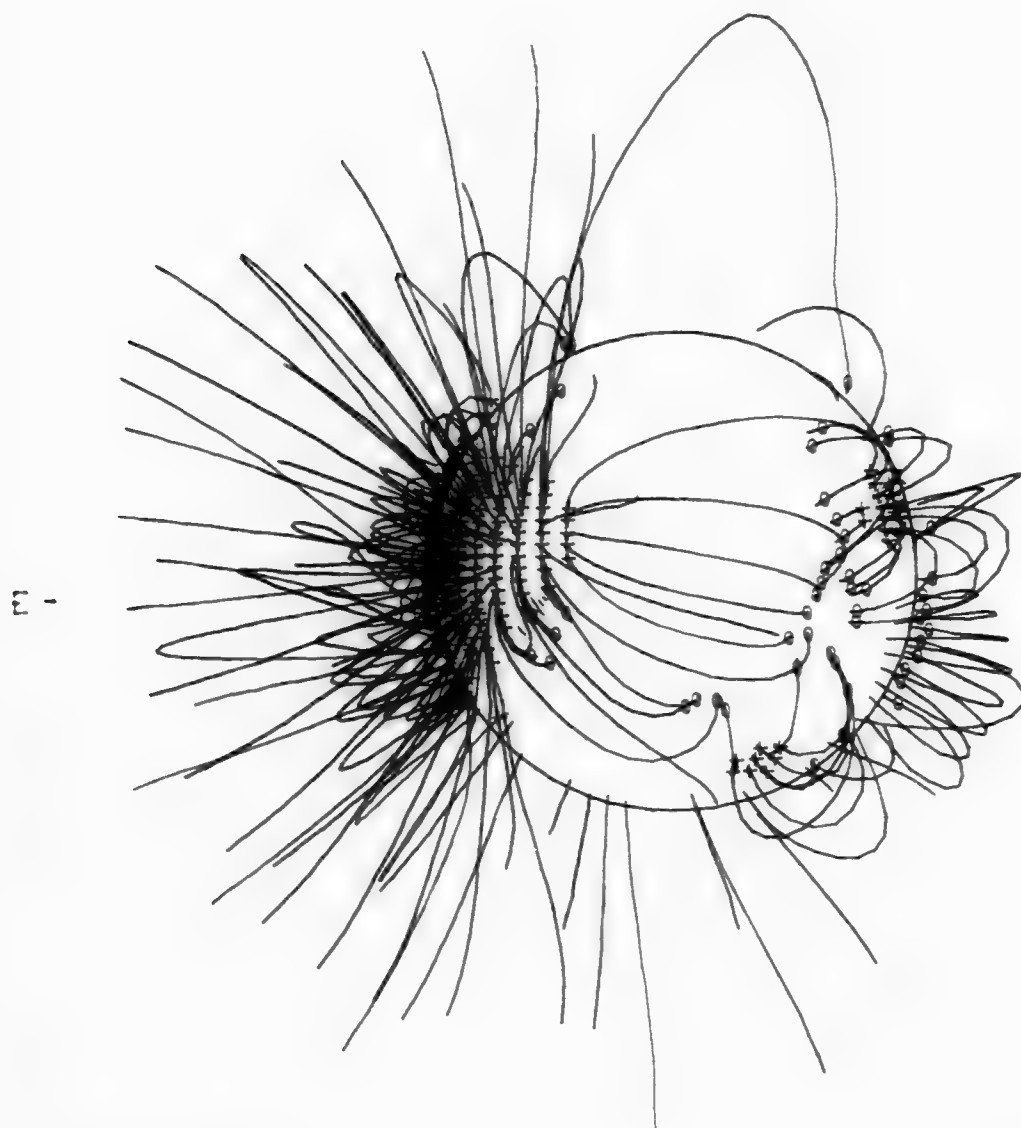


QUALITY 0000
POLES DIRECT
DATA WINDOW 1537.00

S

ROT. 1537 LONG. 230°
3.5 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



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QUALITY 100
POLES DIRECT
DATA WINDOW 1537.00

S

ELT. 1537 1000.00
3.5 1.0 1.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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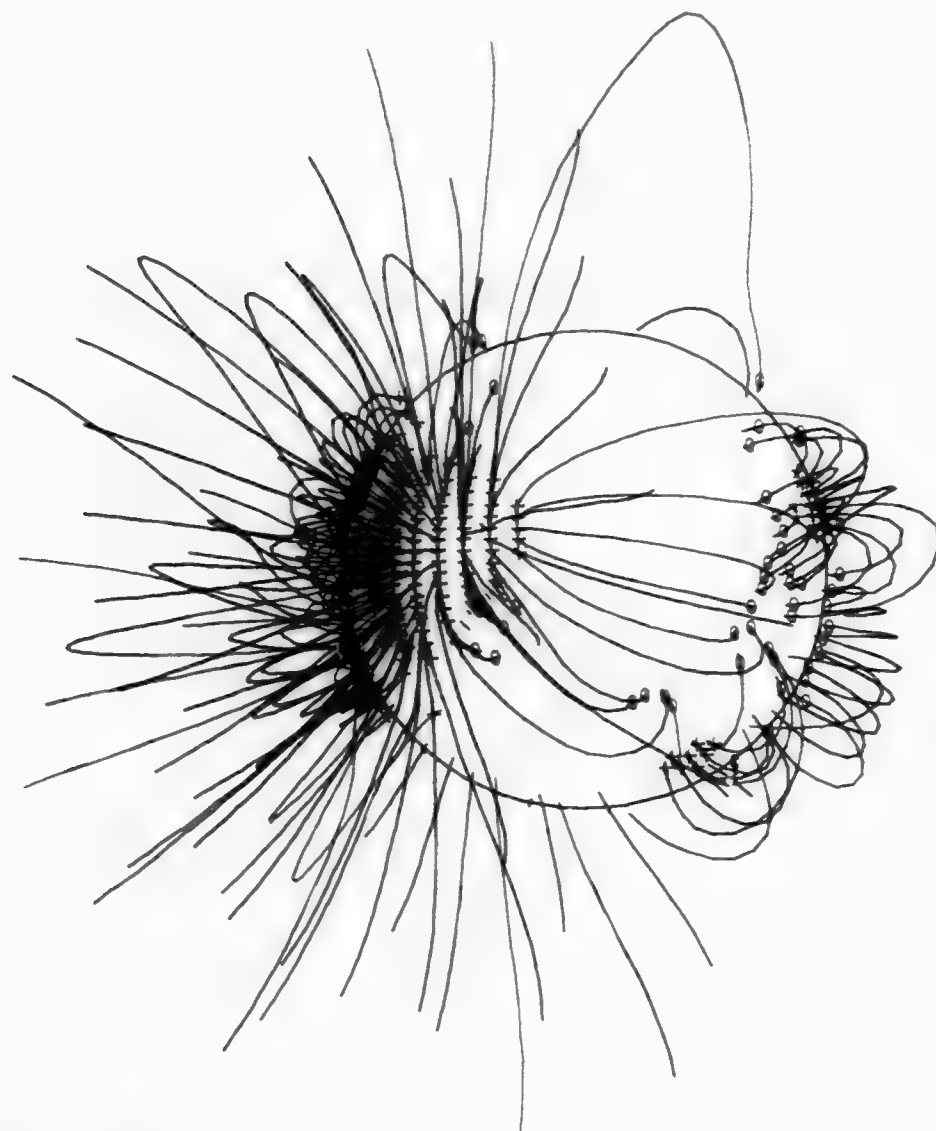
- W

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QUALITY GOOD
POLES DIRECT
DATA WINDOW 1537.00

ROT. 1537 LONG. 220°
4.2 AUG 1968

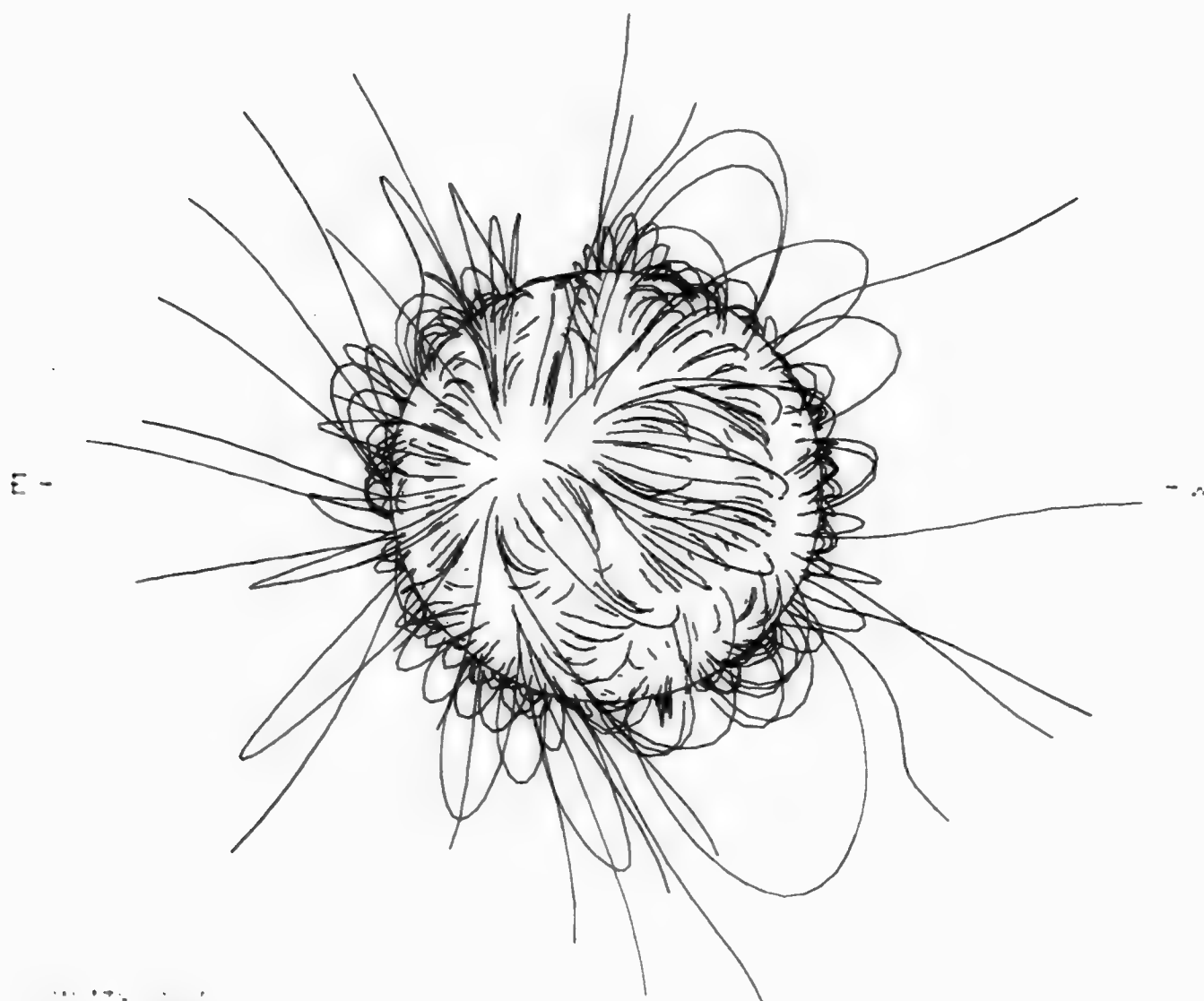
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE 1957
 HAILE DIRECT
 DATA AREA 1957.00

HALE 1957
 HAILE DIRECT
 DATA AREA 1957.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.00

FILED 1987

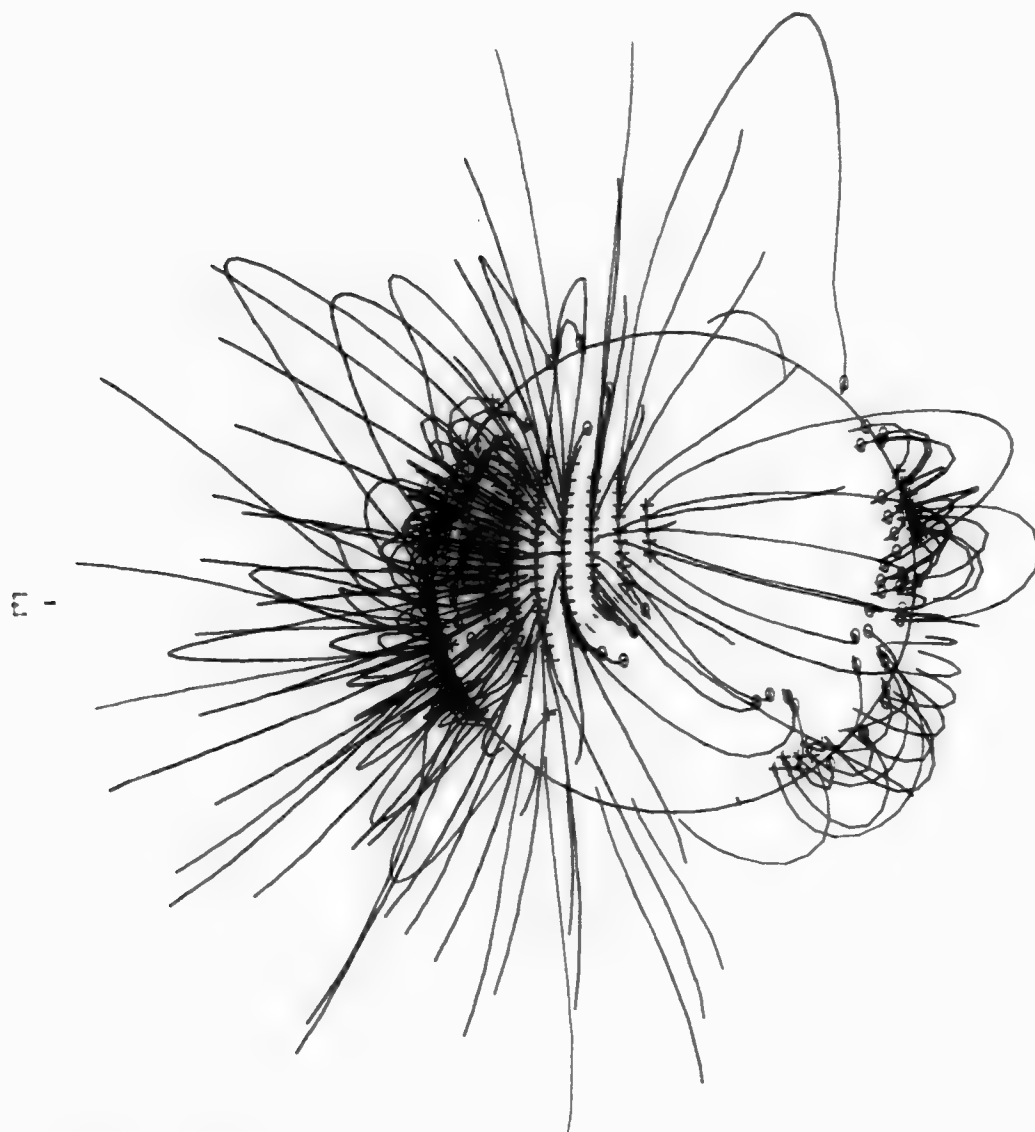
DATA WINDOW 1537.00

S

FILE 1537 1987.00

5.0 1.0 1987

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

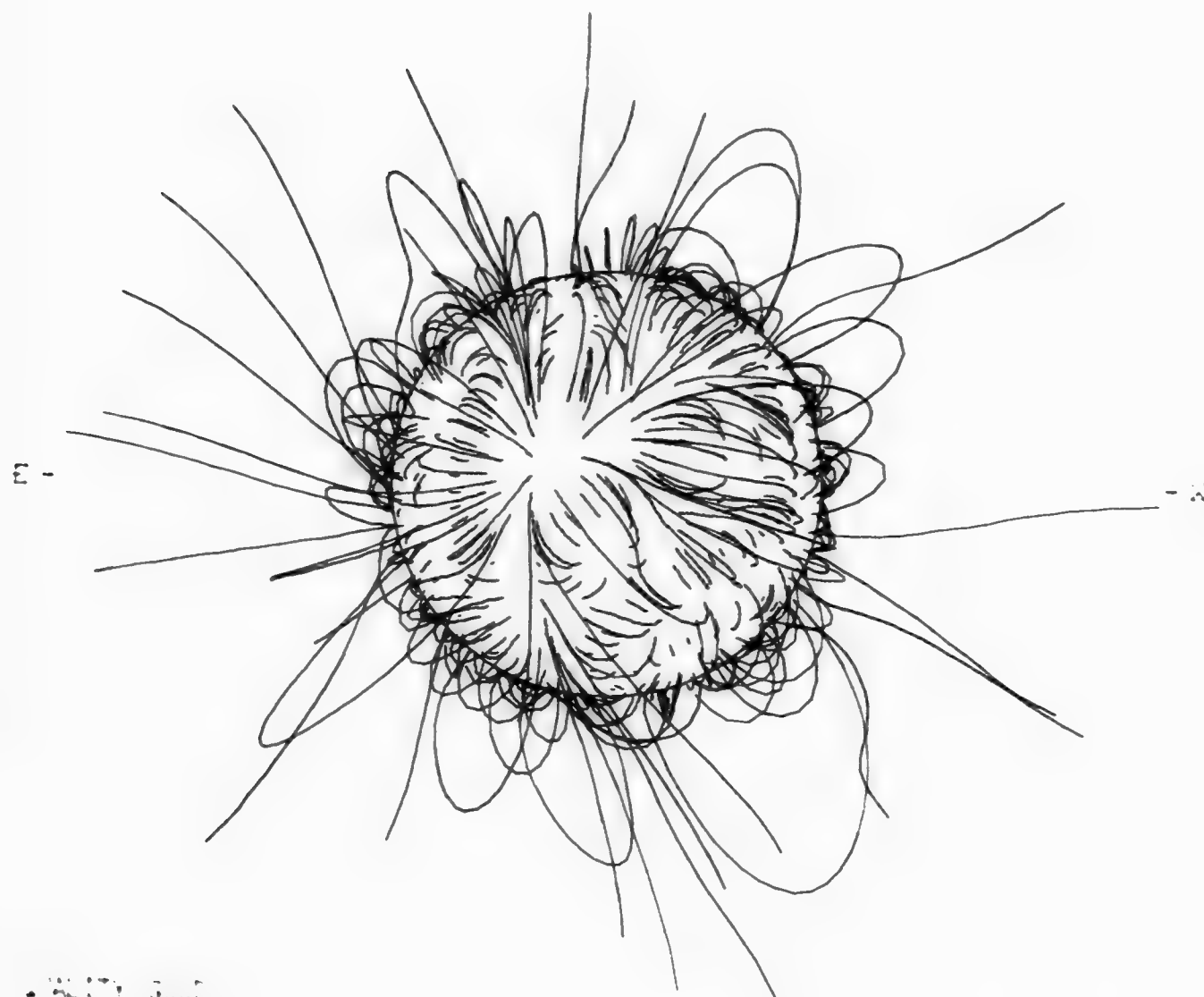


QUALITY GOOD
POLES DIRECT
DATA WINDOW 1537.00

1
S

ROT. 1537 LONG. 210°
5.0 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 3000

POLES DIRECT

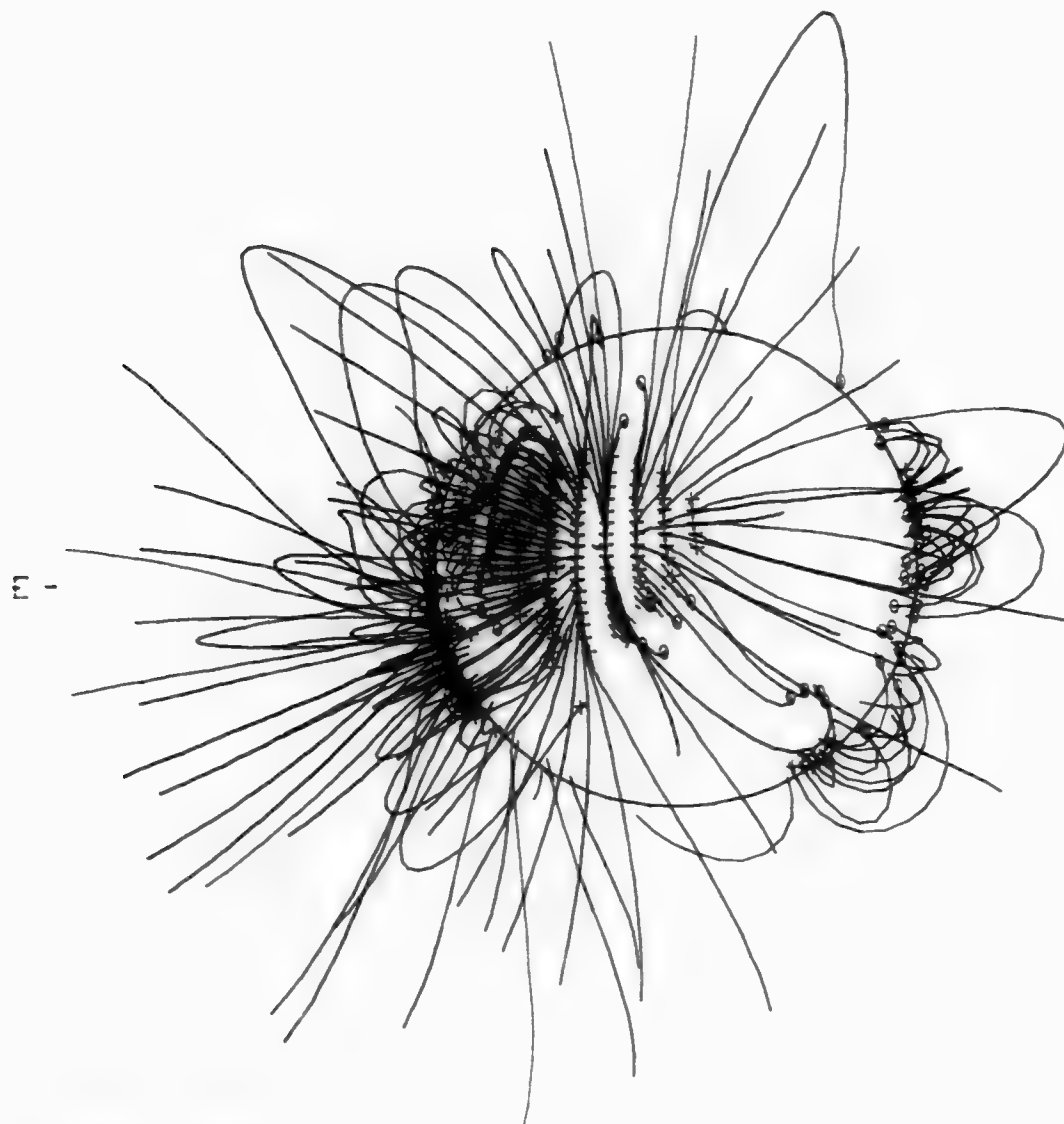
DATA WIND IN 1537.00

S

RUT. 1537 1000. 200°

5.7 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES DIRECT
DATA RANGE 1537.00

2.7. '537 2.13. 2.11
5.7 2.1 1.98

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0.00

POLES DIRECT

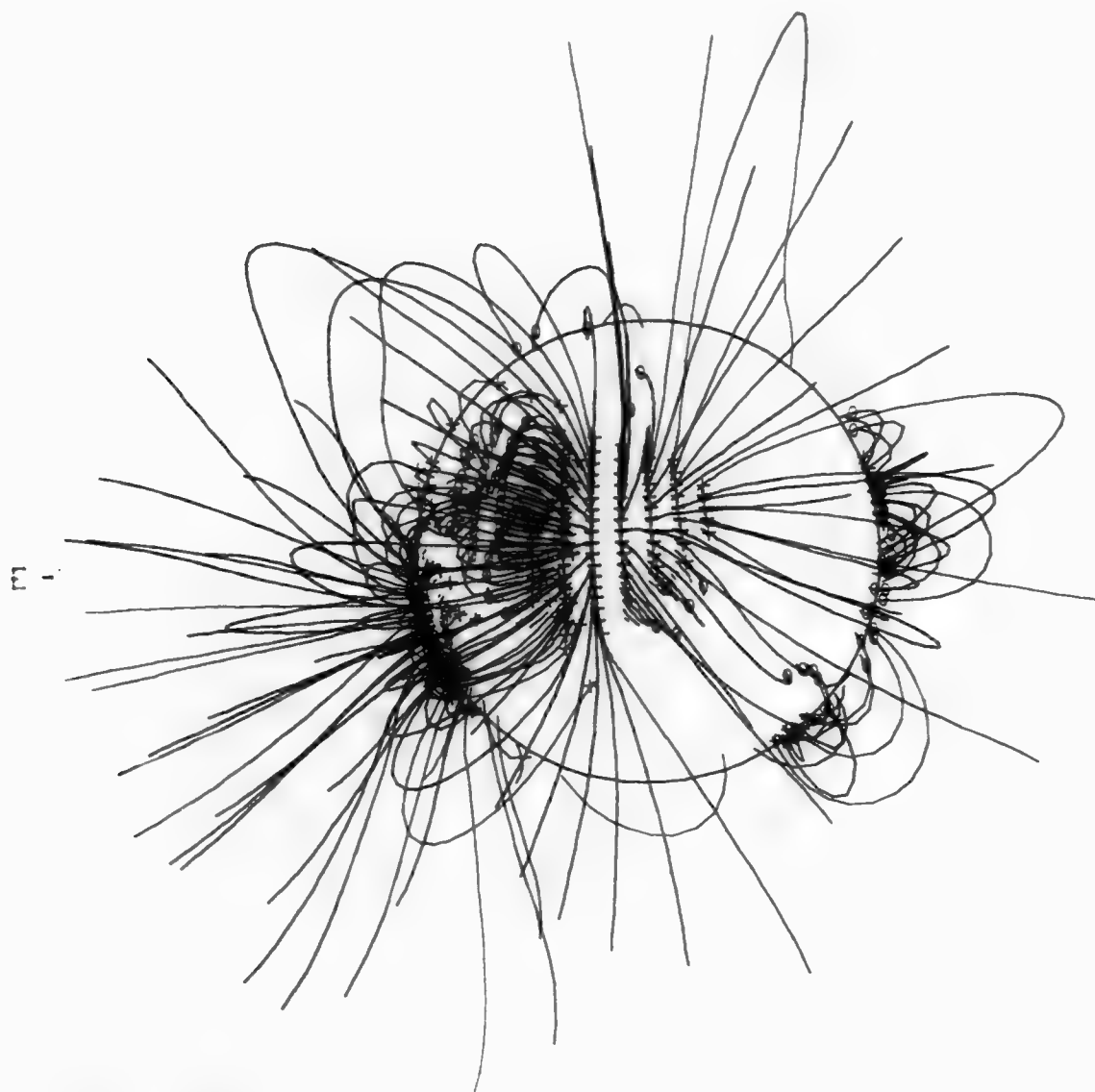
DATA WINDOW 1957.00

S

R.T. 1537 LONG. 140°

6.5 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

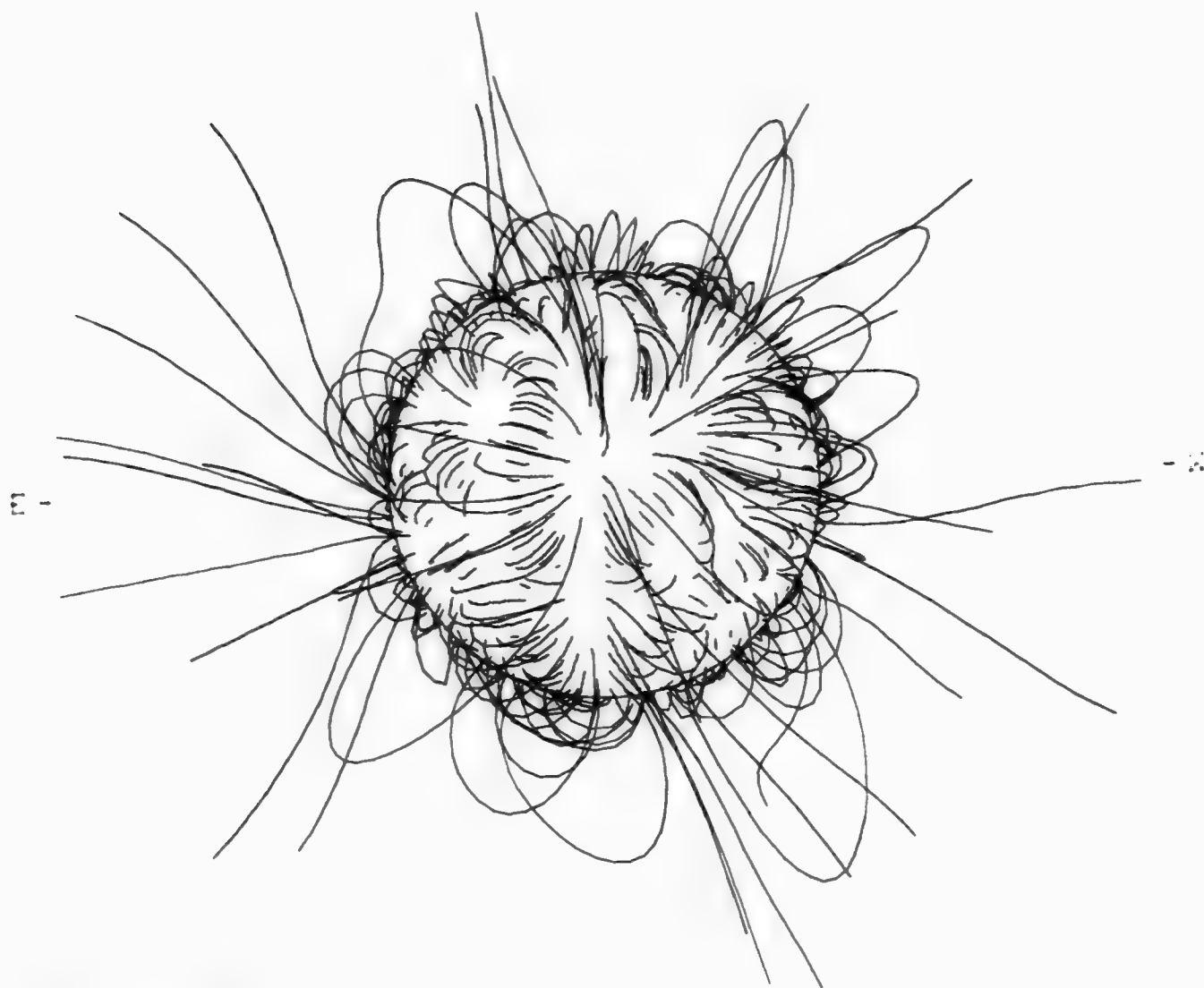


QUALITY 3000
POLES DIRECT
DATA AUG 1968

S

ROT. 1537 LONG. 140°
6.5 AUG 1968

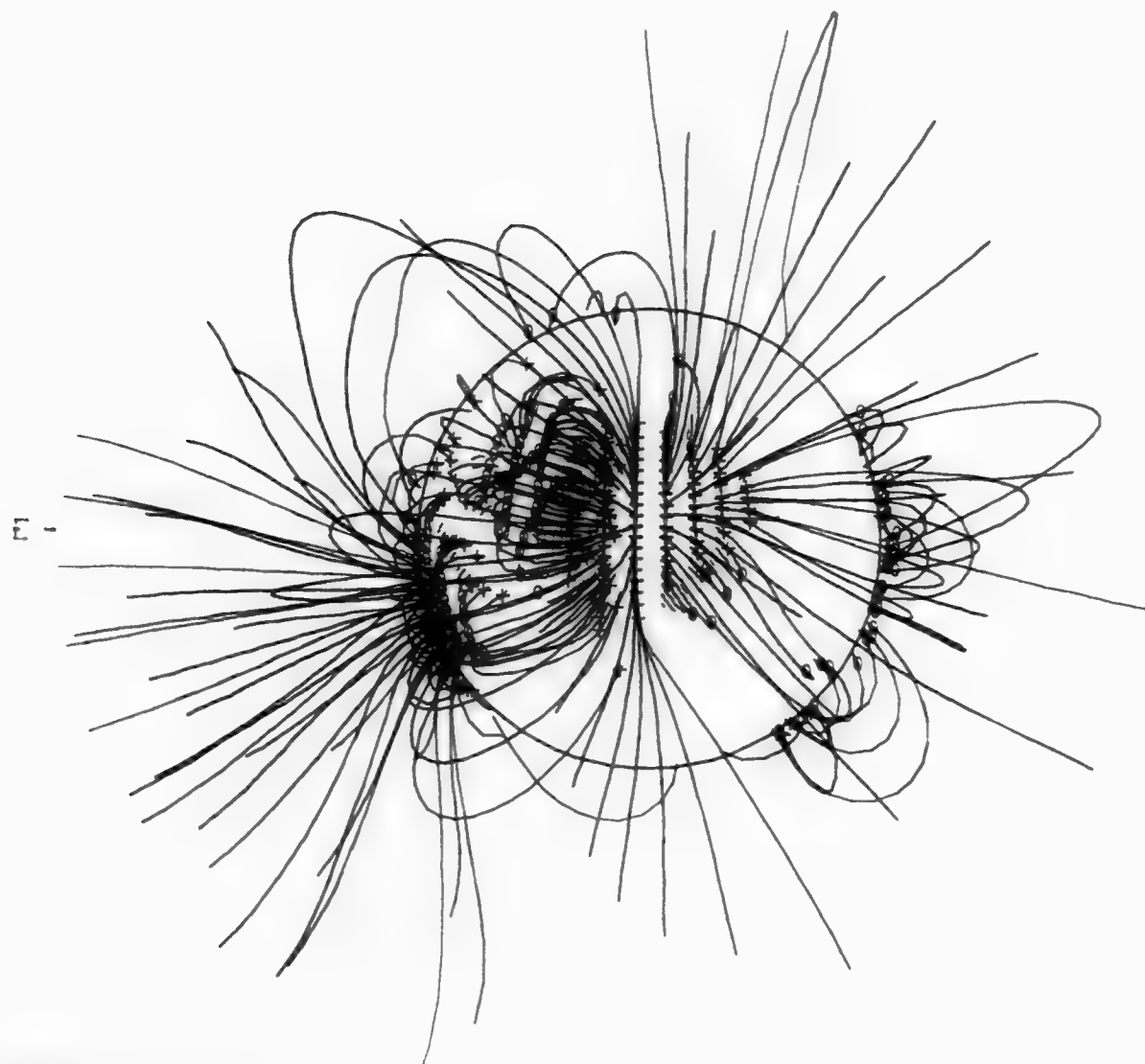
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100
POLES DIRECT
DATA WINDOW 1537.00

R.T. 1537 2113.161
7.3 103 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

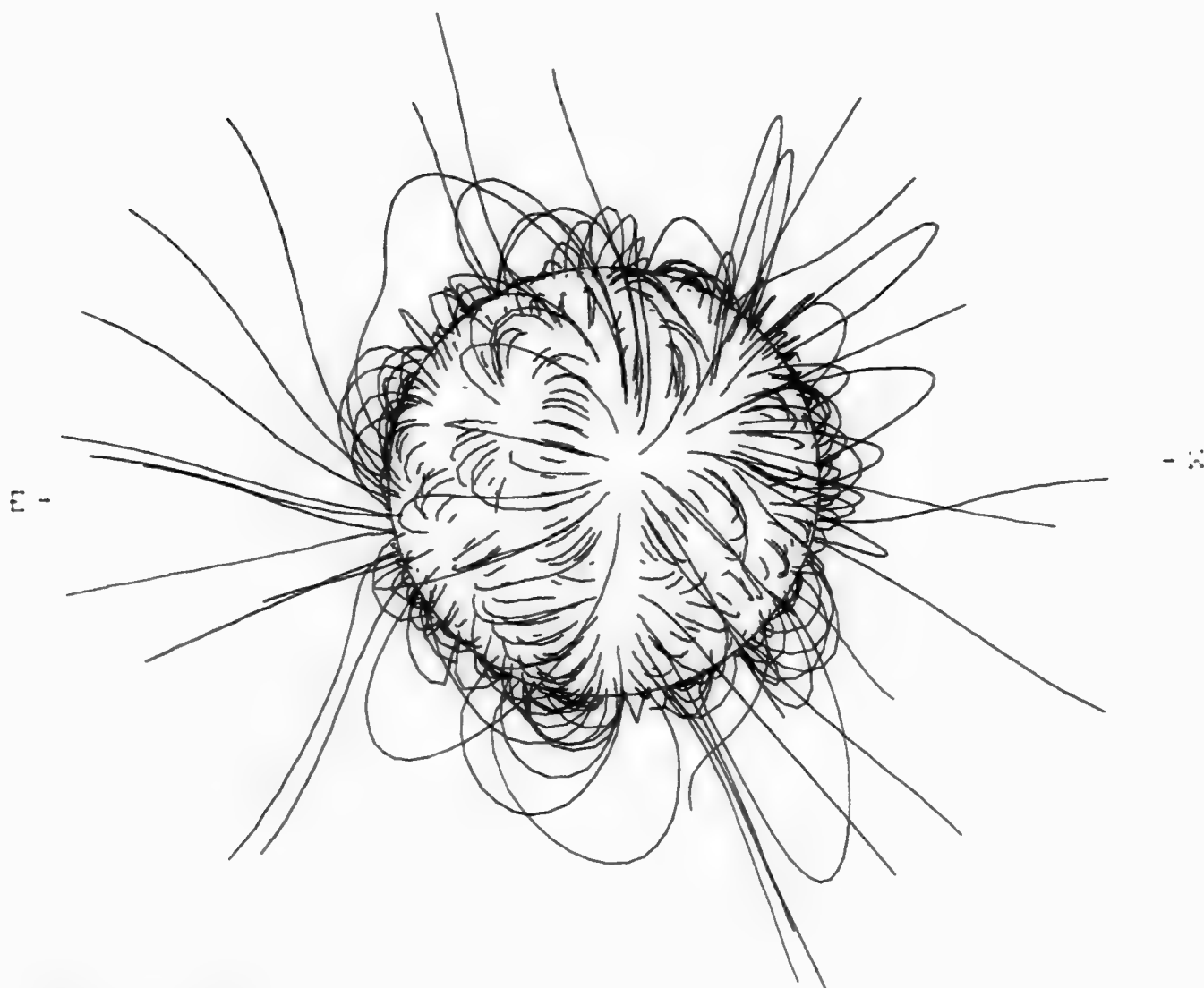
FILES DIRECT

DATA WINDOW 1537.00

P.L.T. 1537 2000. 191°

7.3 AUG 1966

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

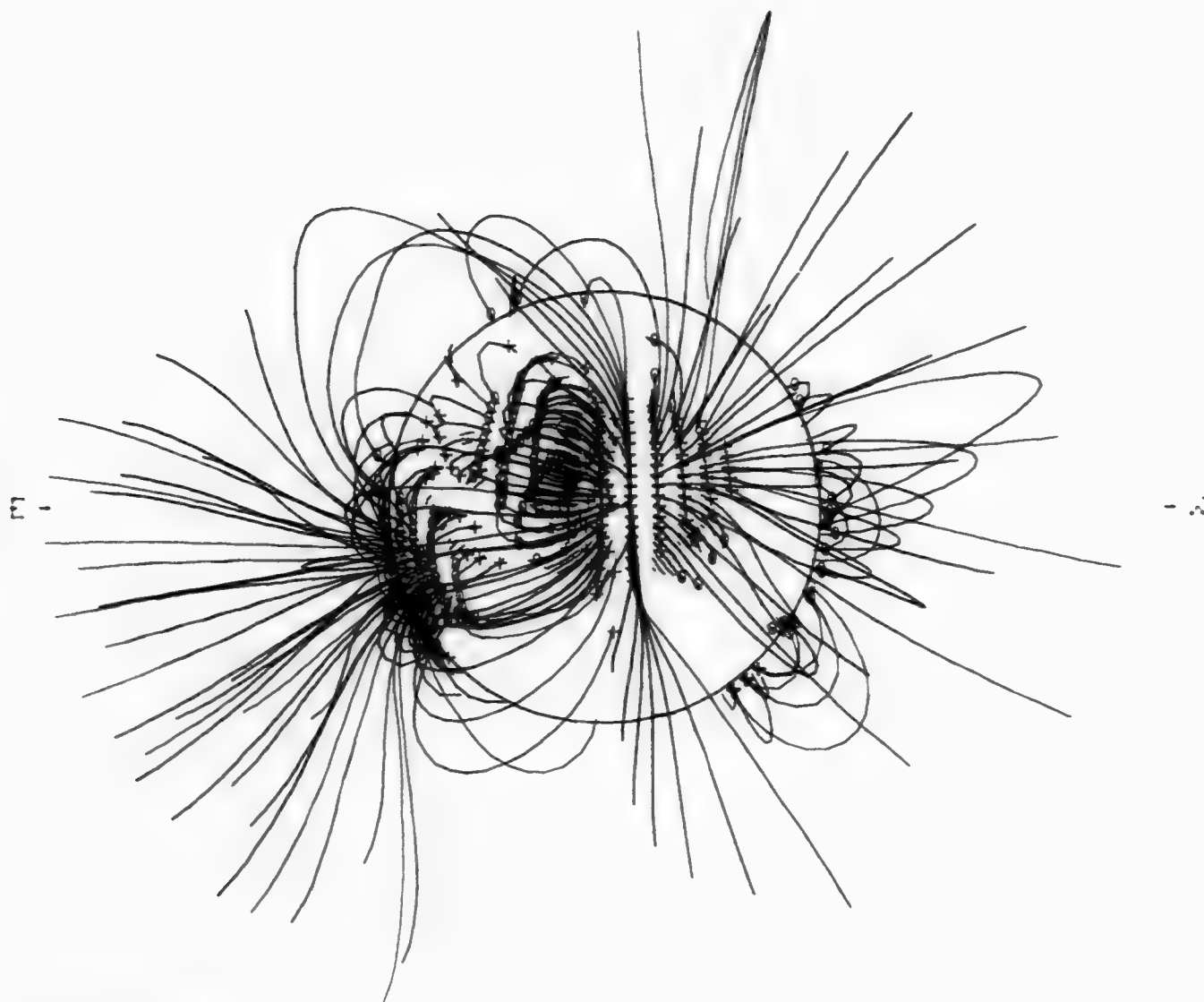


QUALITY GOOD
FILES DIRECT
DATA WINDOW 1537.00

S

ROT. 1537 LONG. 171°
8.0 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100

POLES DIRECT

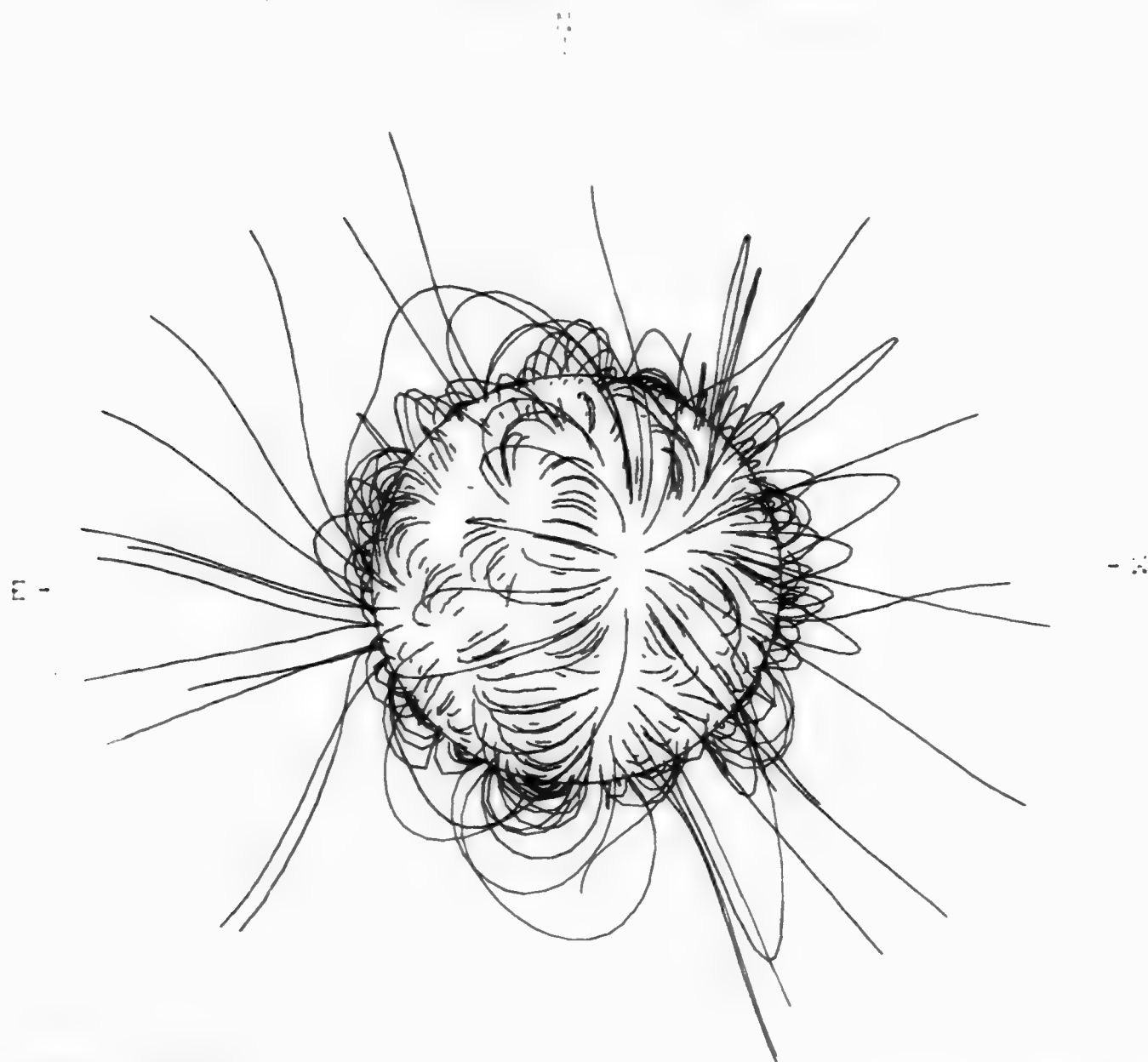
DATA RANGE 1537.00

S

8.0 1537 2113.171

8.0 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

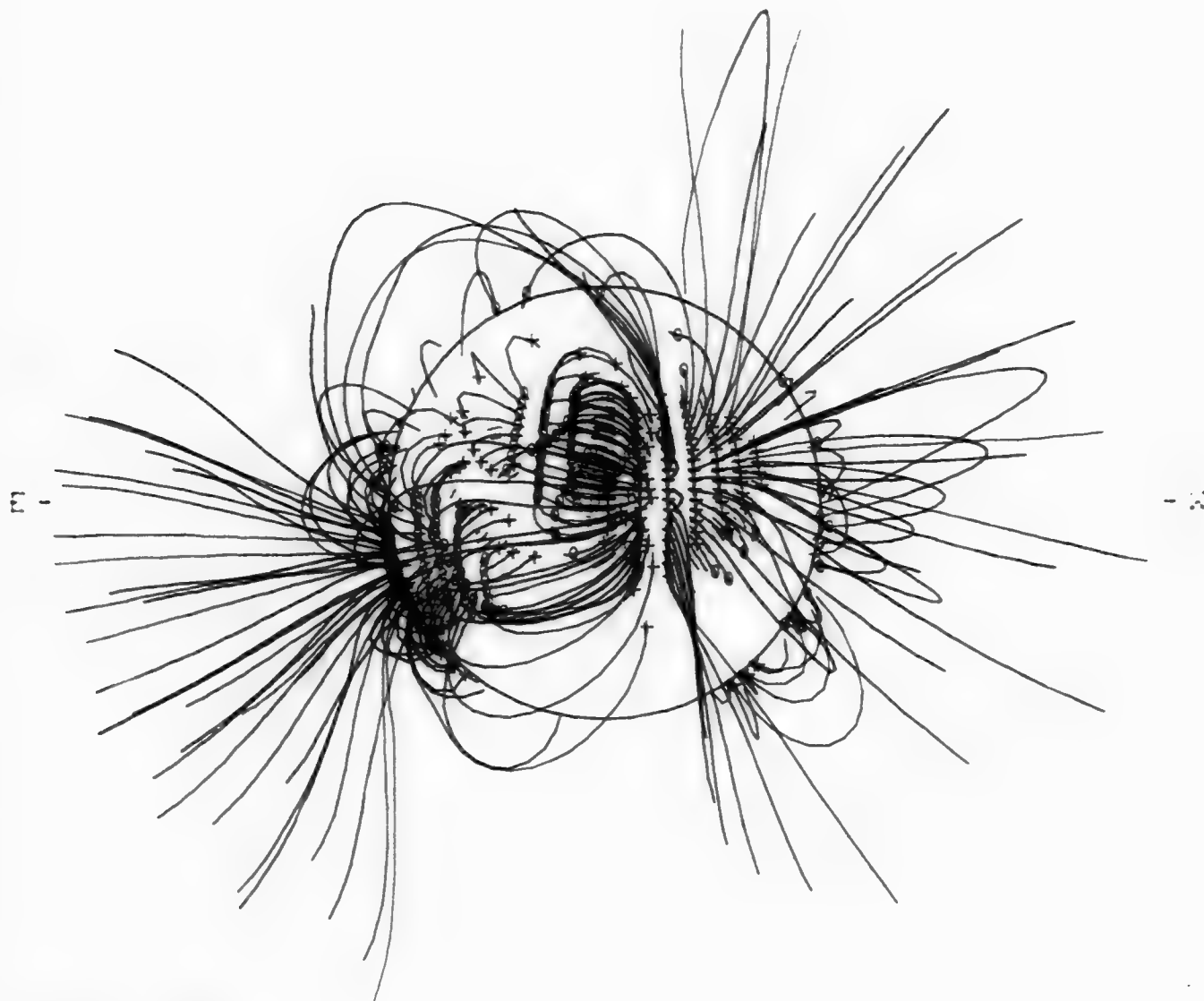


QUALITY 300
POLES DIRECT
DATA AREA 1A '53'.00

S

8.7. '53' 0.13. '50'
8.8 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

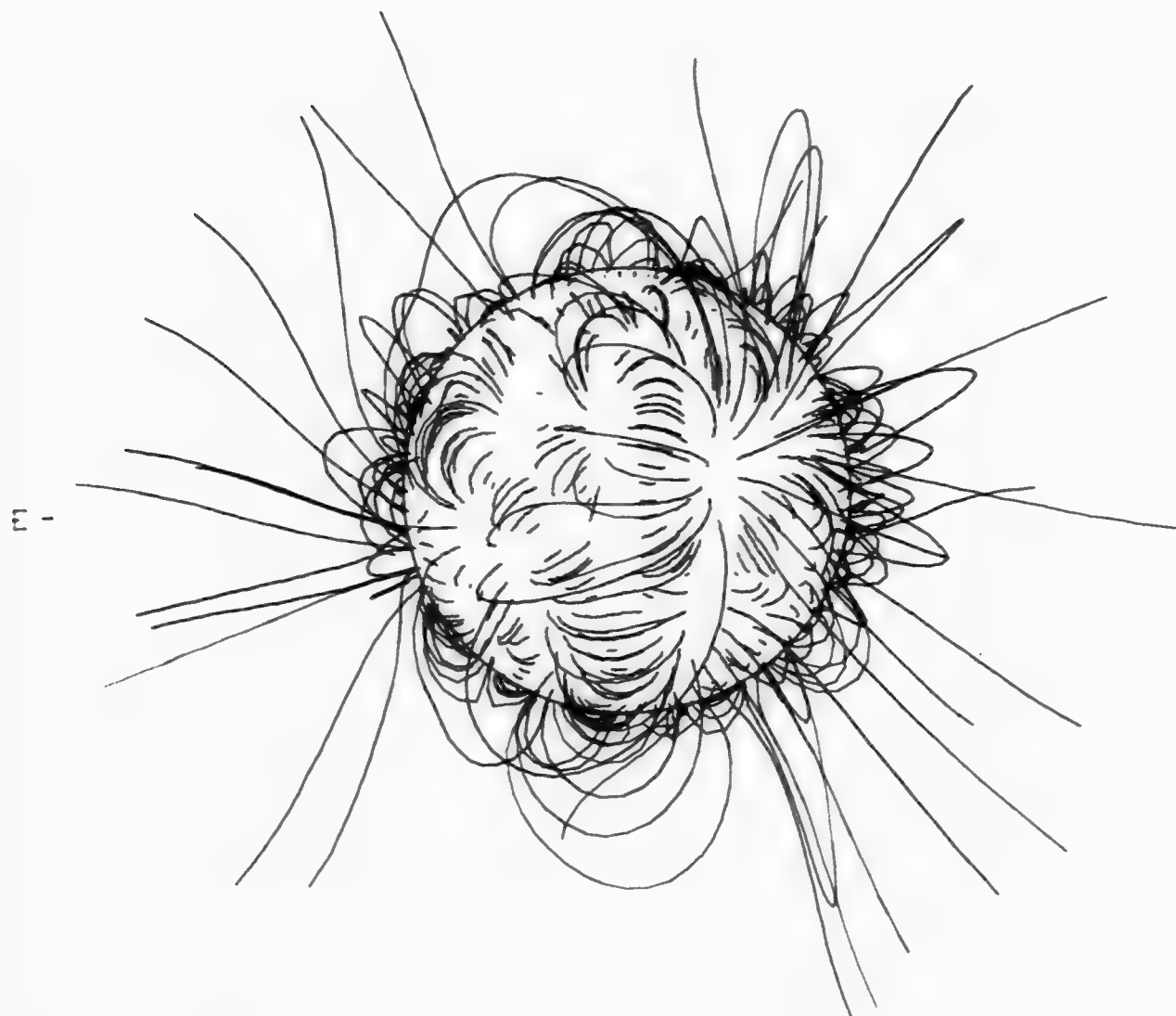


.00175 .001
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5

8.7. '537 21.0. '60°
 8.8 AUG 1968

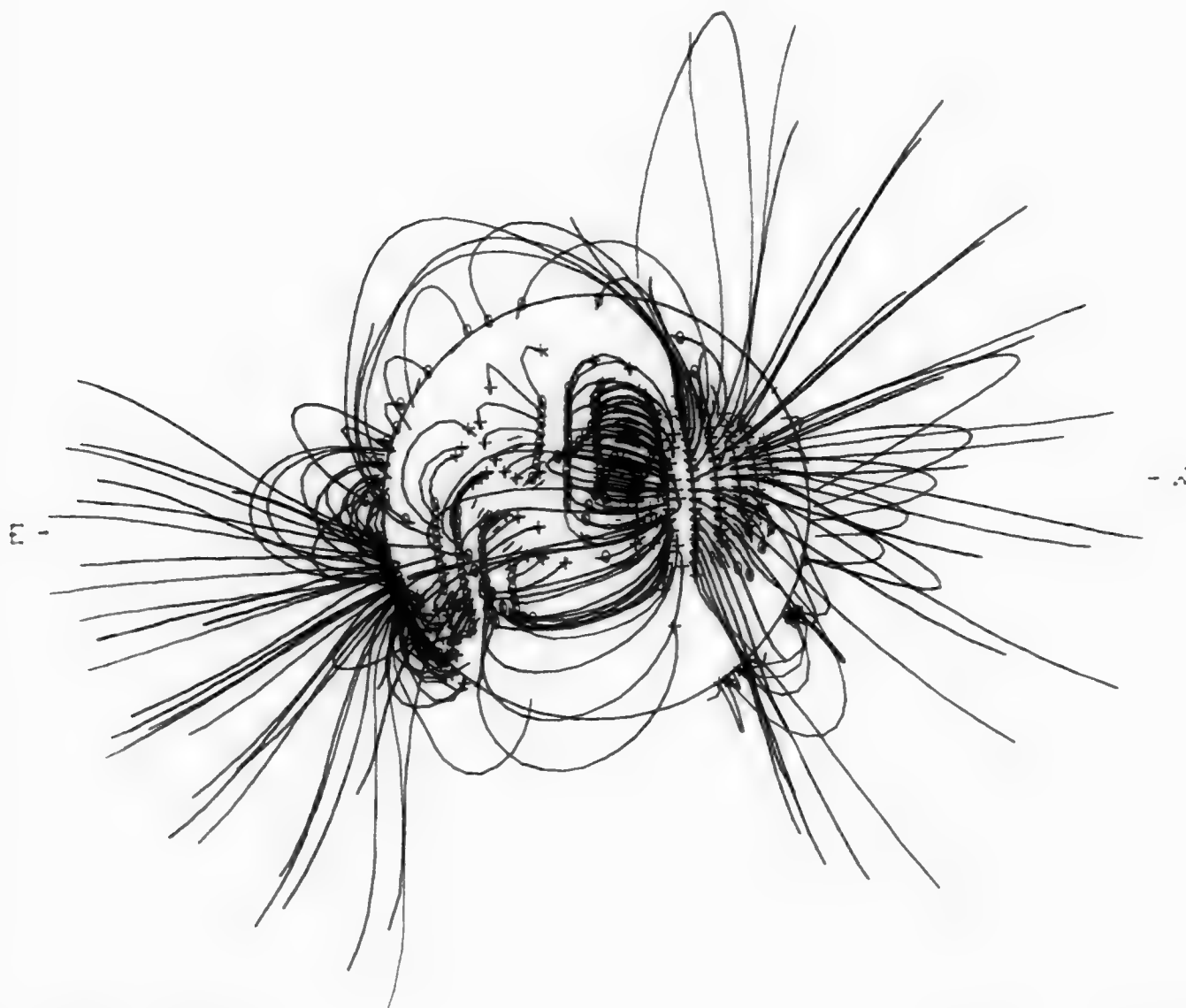
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100
POLES DIRECT
DATA ANALYSIS 1987.00

REF. 1987 100.00
0.5 100.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

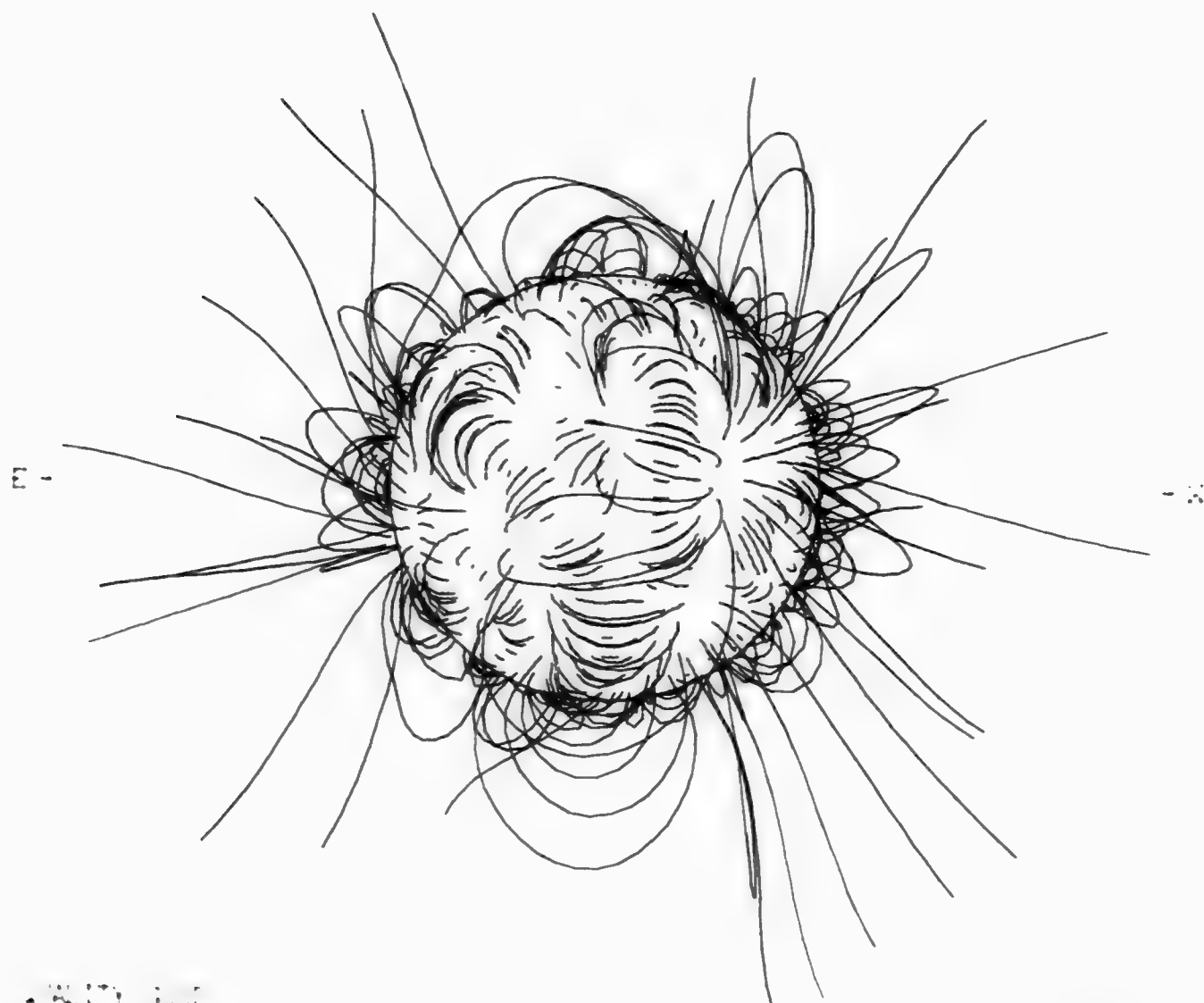


1. 1000
 POLES DIRECT
 DATA HINDIA 1537.00

RCT. 1537 1113. 151°
 9.5 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11



QUALITY 100

POLES DIRECT

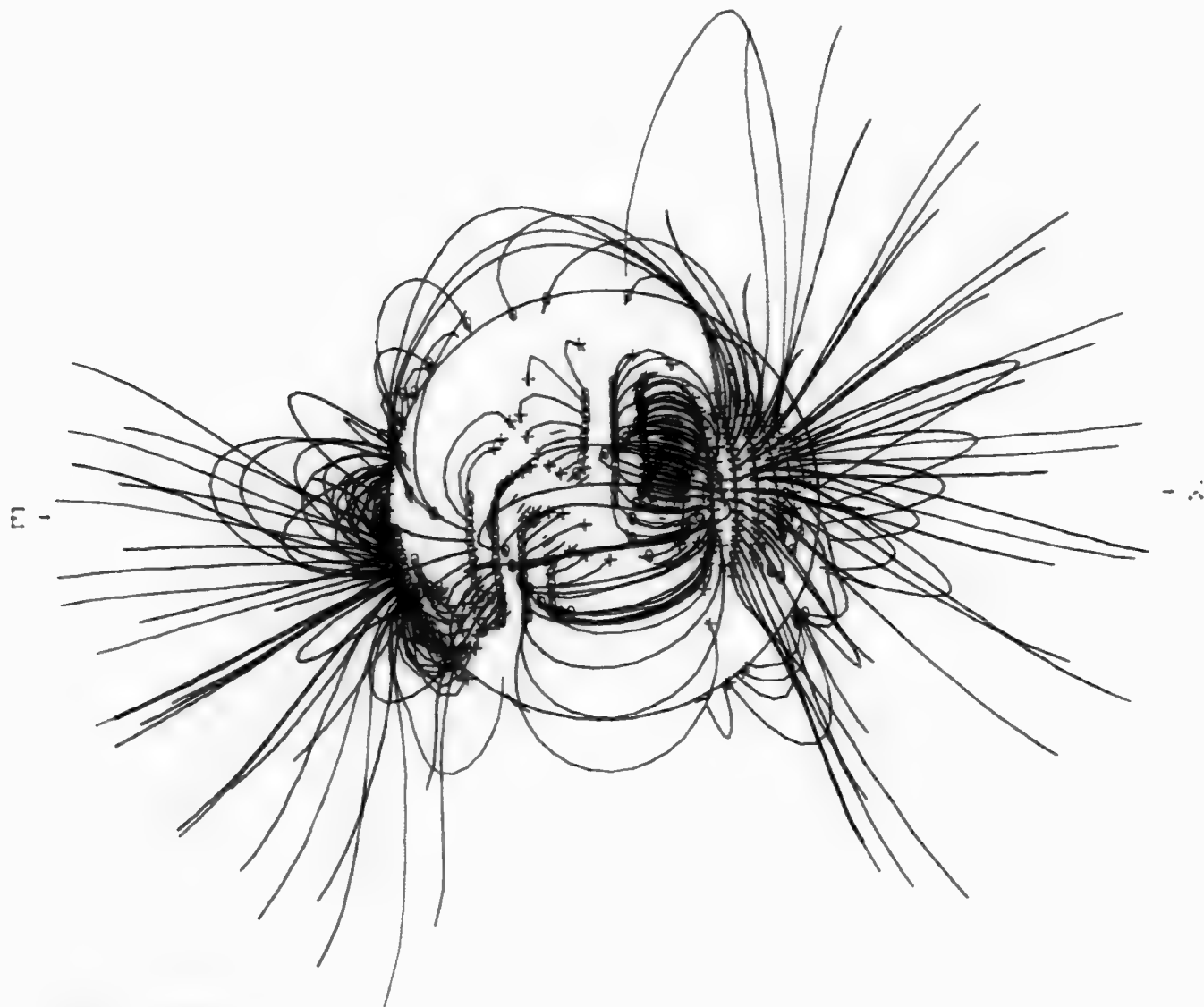
DATA NUMBER 1537.00

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S

ROT. 1537 DATA 1537

10.5 ALG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

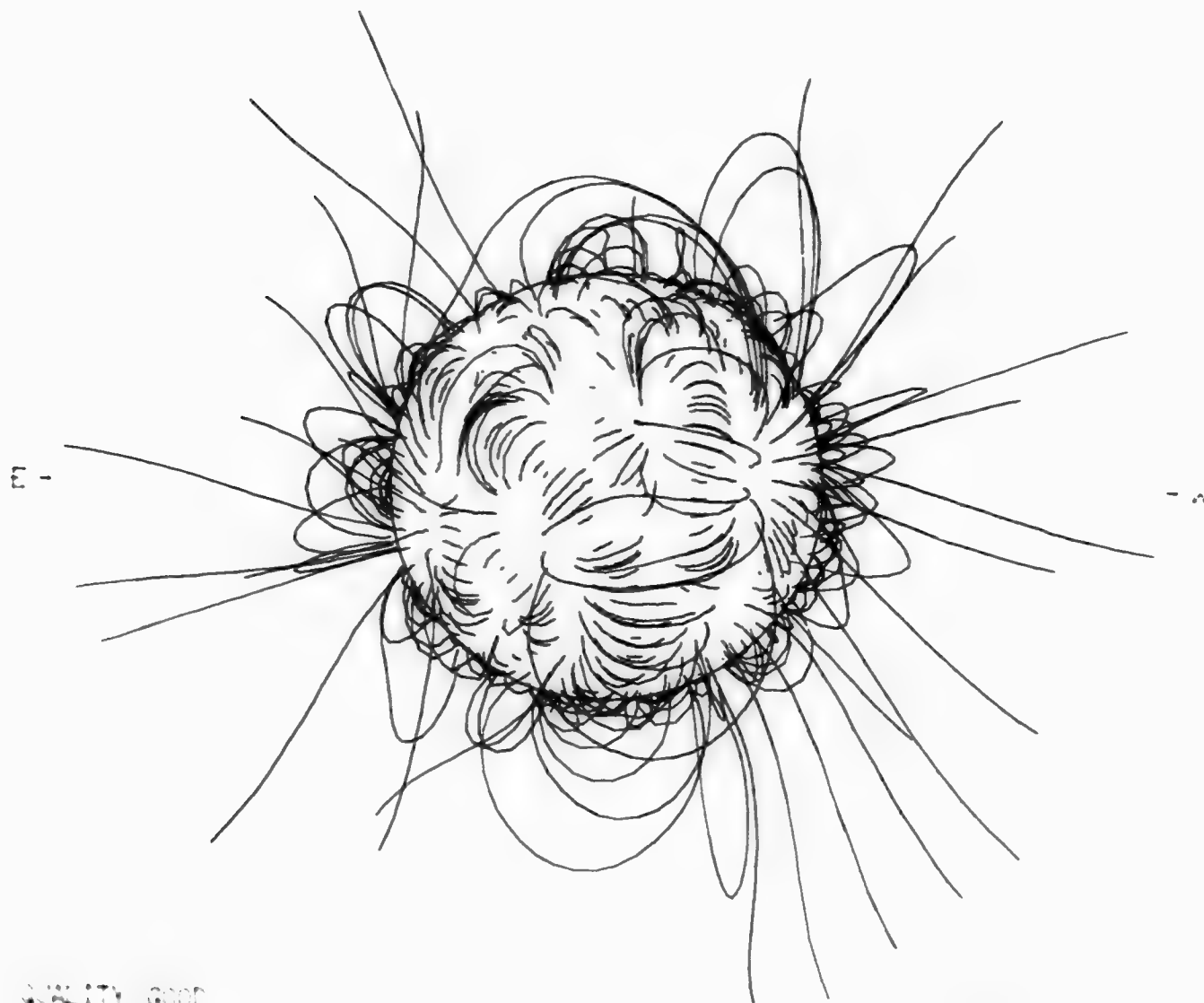


QUALITY GOOD
 POWER DIRECT
 DATA JUNE 24 1537.00

S

8.7. '537 11.0. '40°
 10.3 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

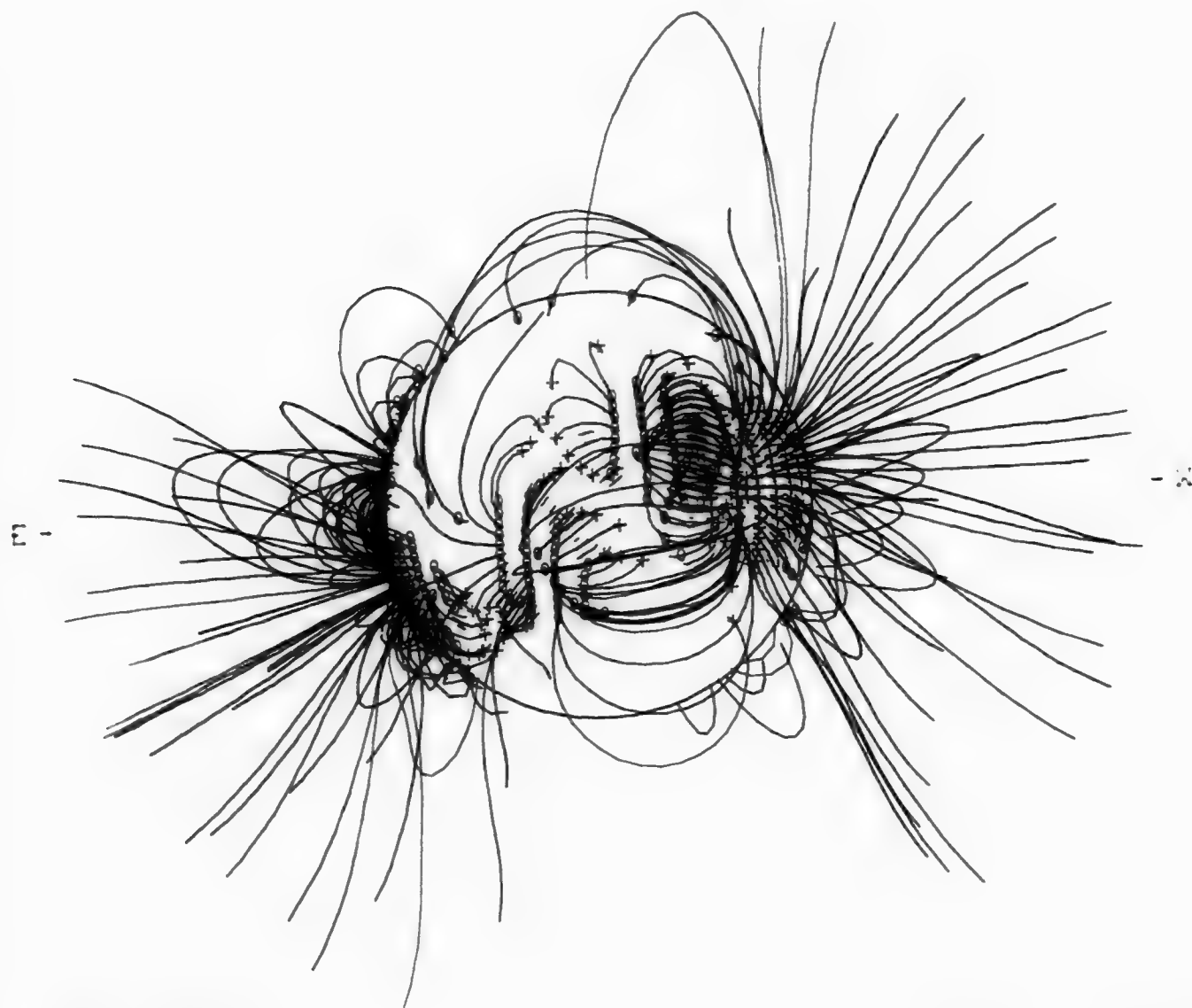
DATA WINDOW 1537.00

S

8.7. '53 20.3. '51

11.0 AUG 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

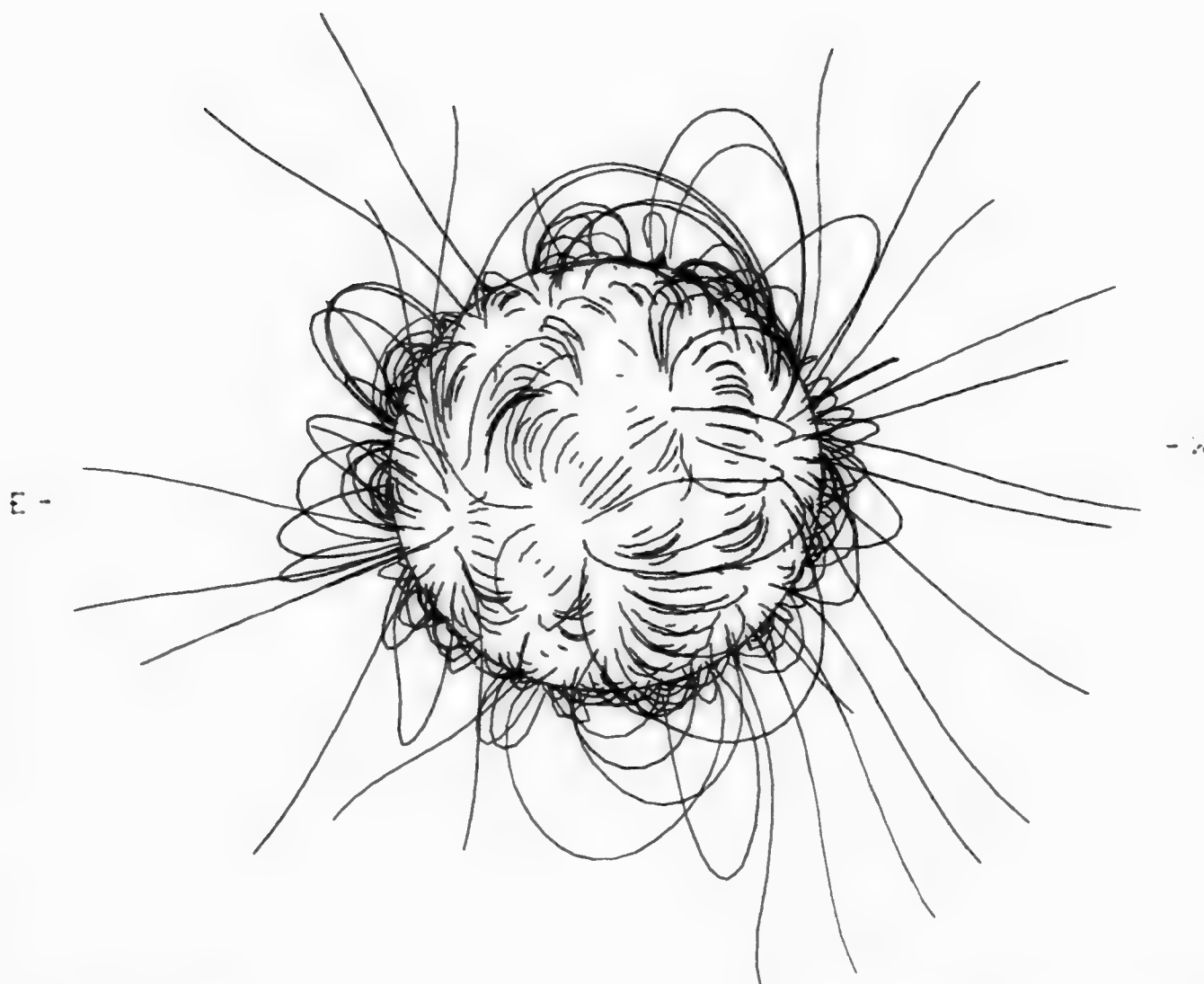


QUALITY 100
FILES DIRECT
DATA RING IN 1537.00

S

R.T. 1537 L.O.D. 151
11.0 100 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

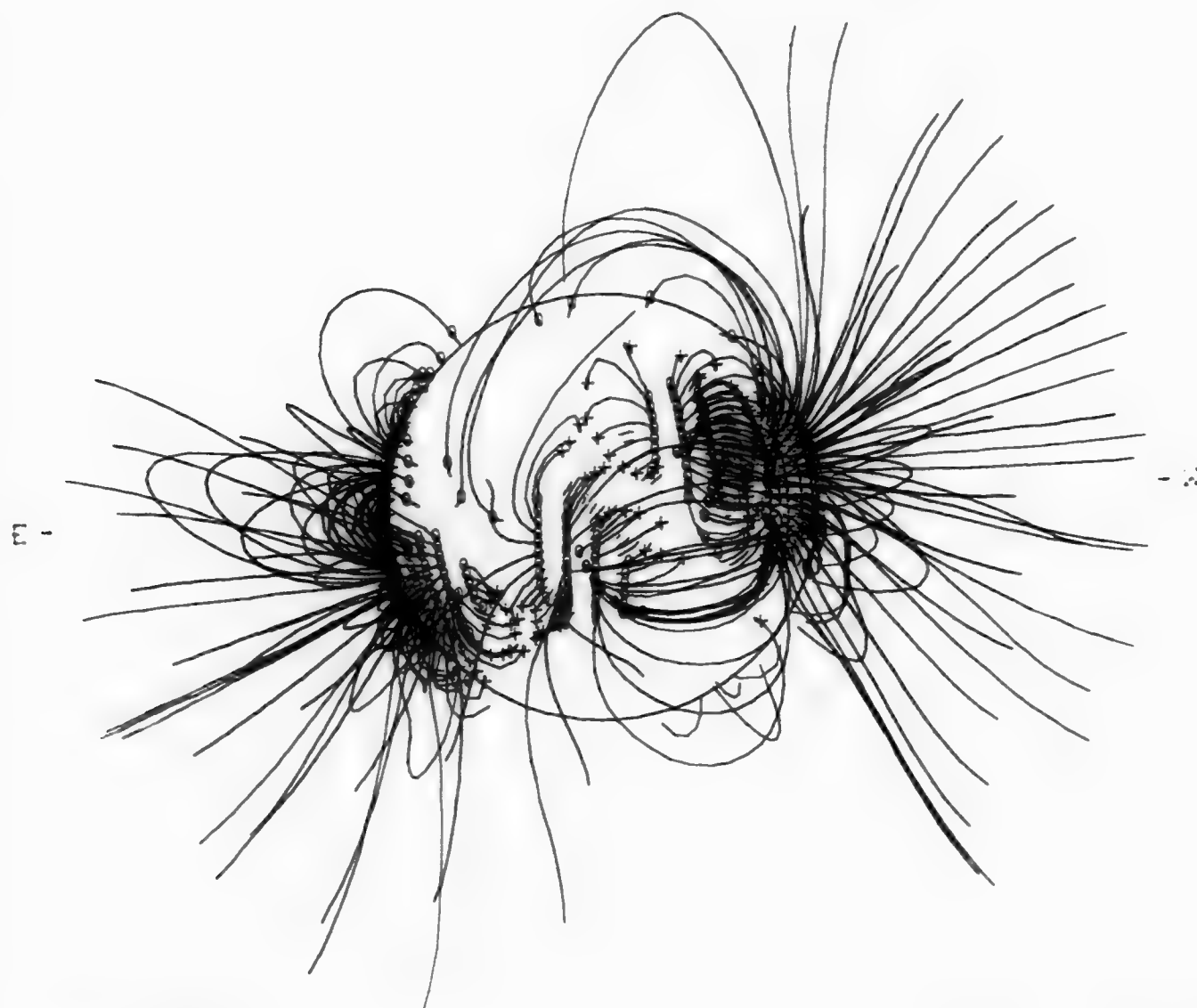


QUALITY 0.00
POLES DIRECT
DATA WINDOW 1557.00

S

ROT. 557 210. 100°
11.8 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

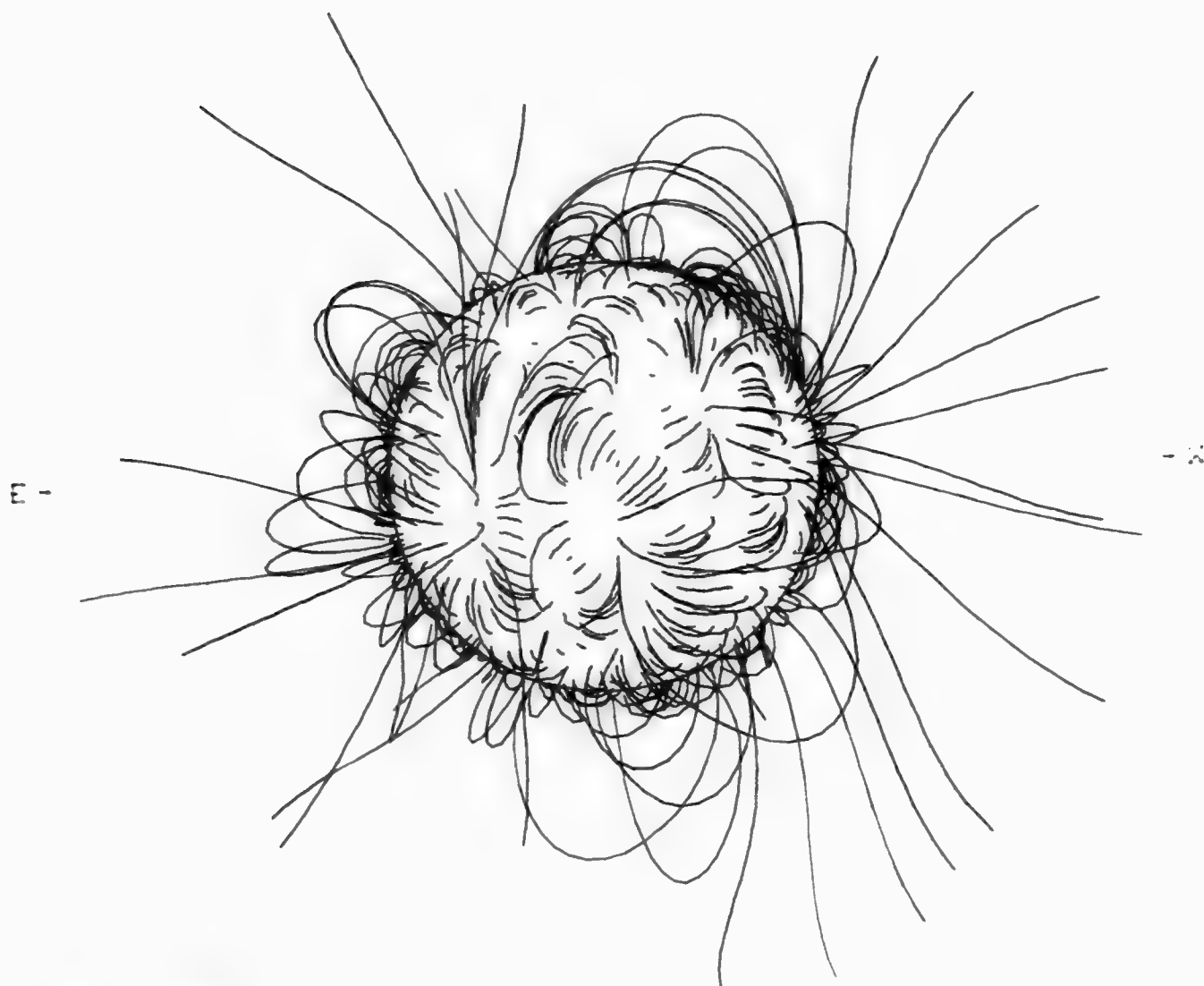


QUALITY 1000
POLES DIRECT
DATA RANGE OR 1537.00

S

RCT. 1537 LONG. 100°
11.8 AUG 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

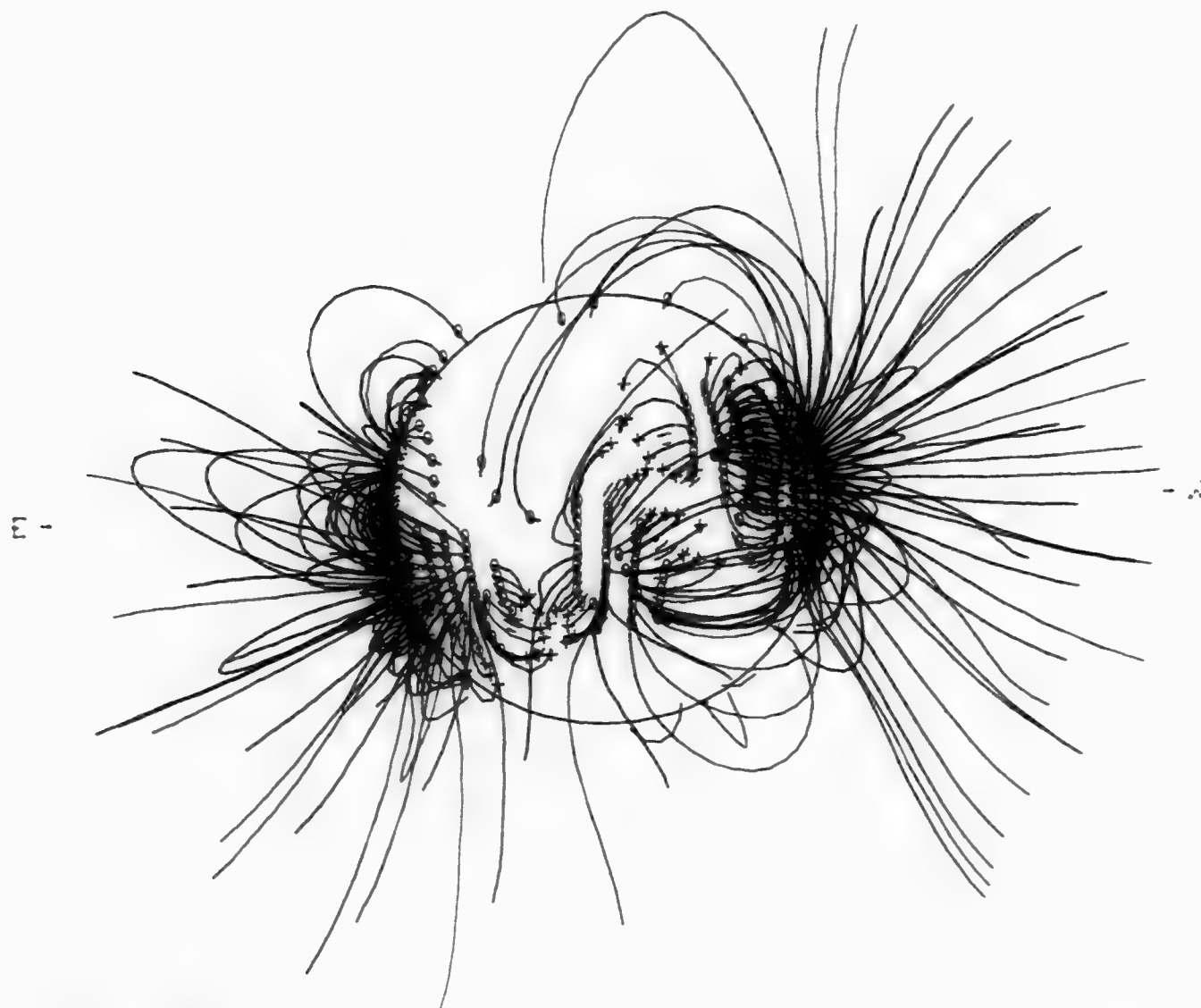


QUALITY GOOD
POLES DIRECT
DATA AMOUNT 1537.0

S

ROT. 1537 LONG. 111°
12.6 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0.00
 RULES DIRECT
 DATA WINDOW 1537.00

1
 S

RCT. 1537 2113.000
 12.6 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 9000

POLES DIRECT

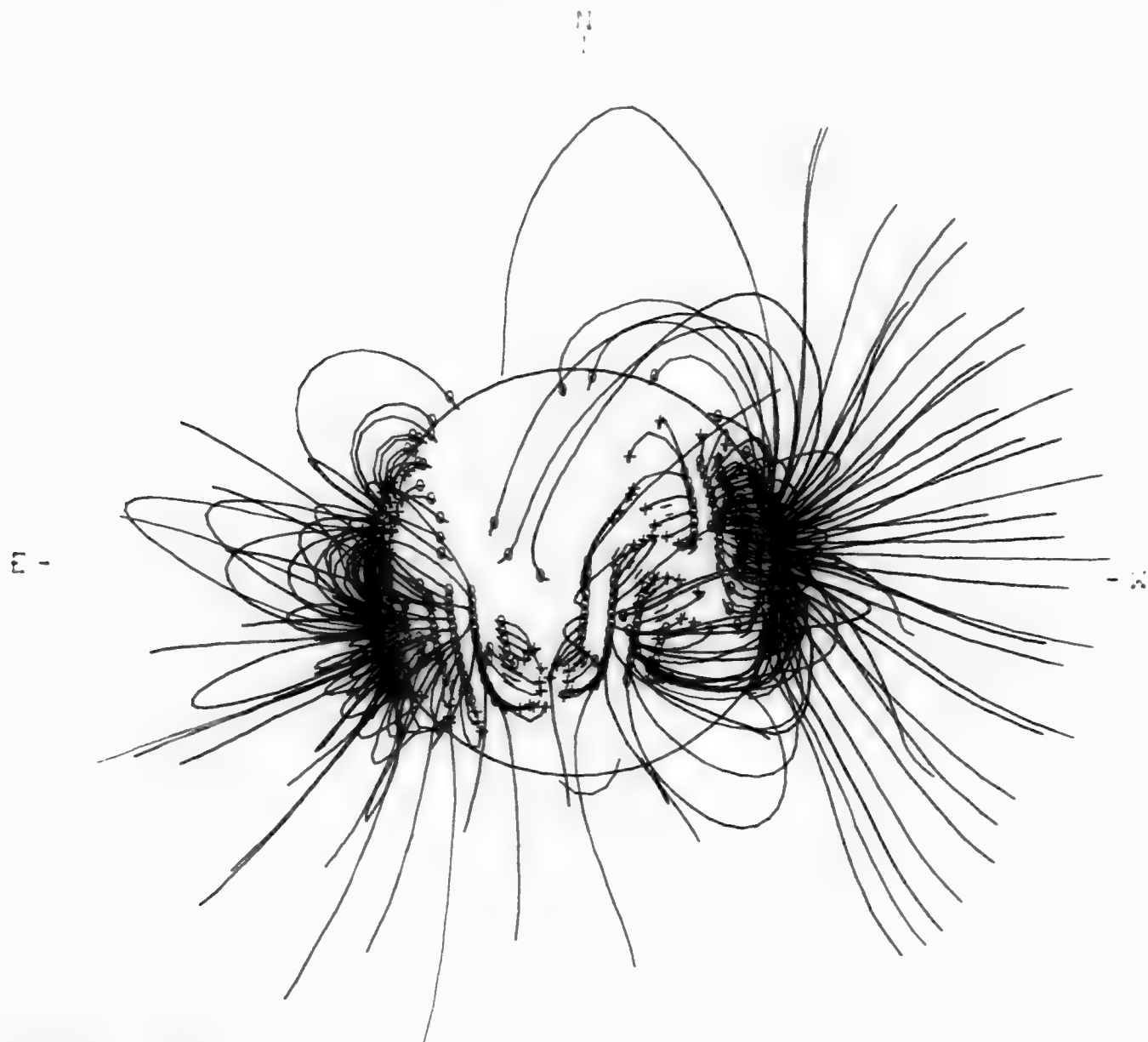
DATA RANGE 1537.00

S

ROT. 1537 LONG. 100°

13.3 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100
 POLES DIRECT
 DATA WIND IN 1537.00

S

8.7. '537 2.10. '100
 13.3 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11

E -

- W



QUALITY 100

FILED DIRECT

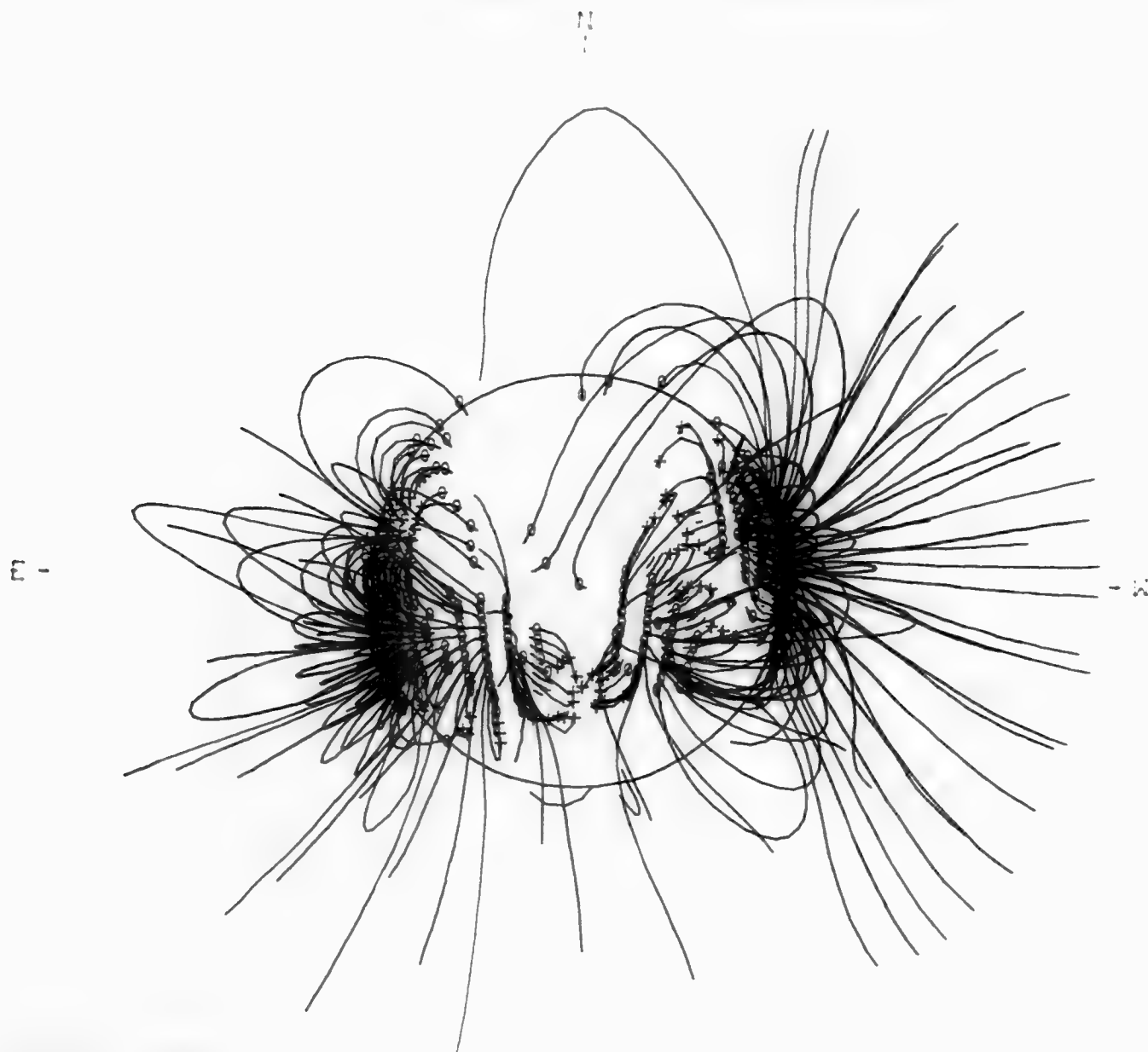
DATA WIND IN 1937.00

S

ROT. 1537 LONG. 20°

14.1 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POWER DIRECT

CATA WIND W 1537.00

S

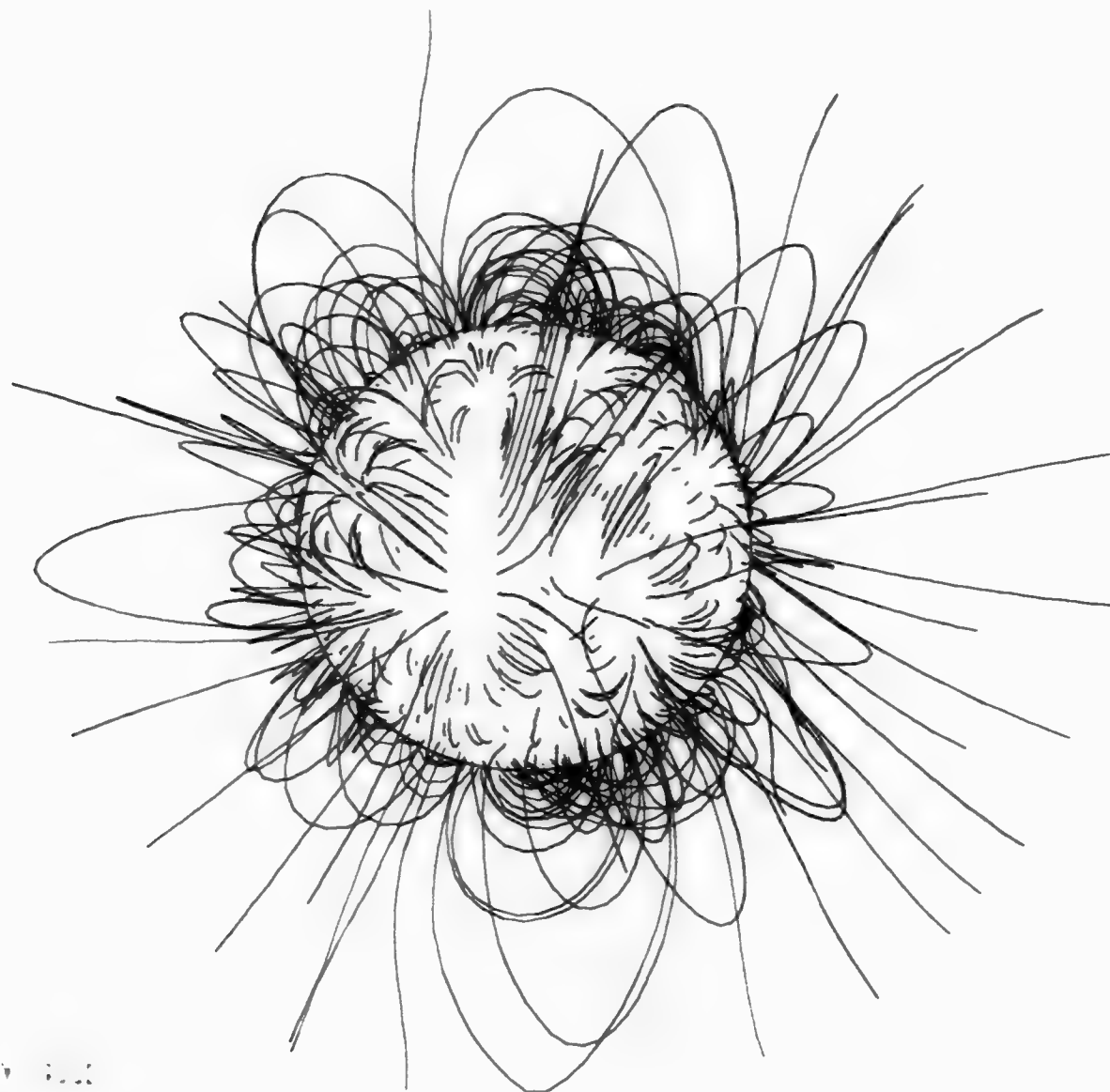
ROT. 1537 LUNG. 90°

14.1 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

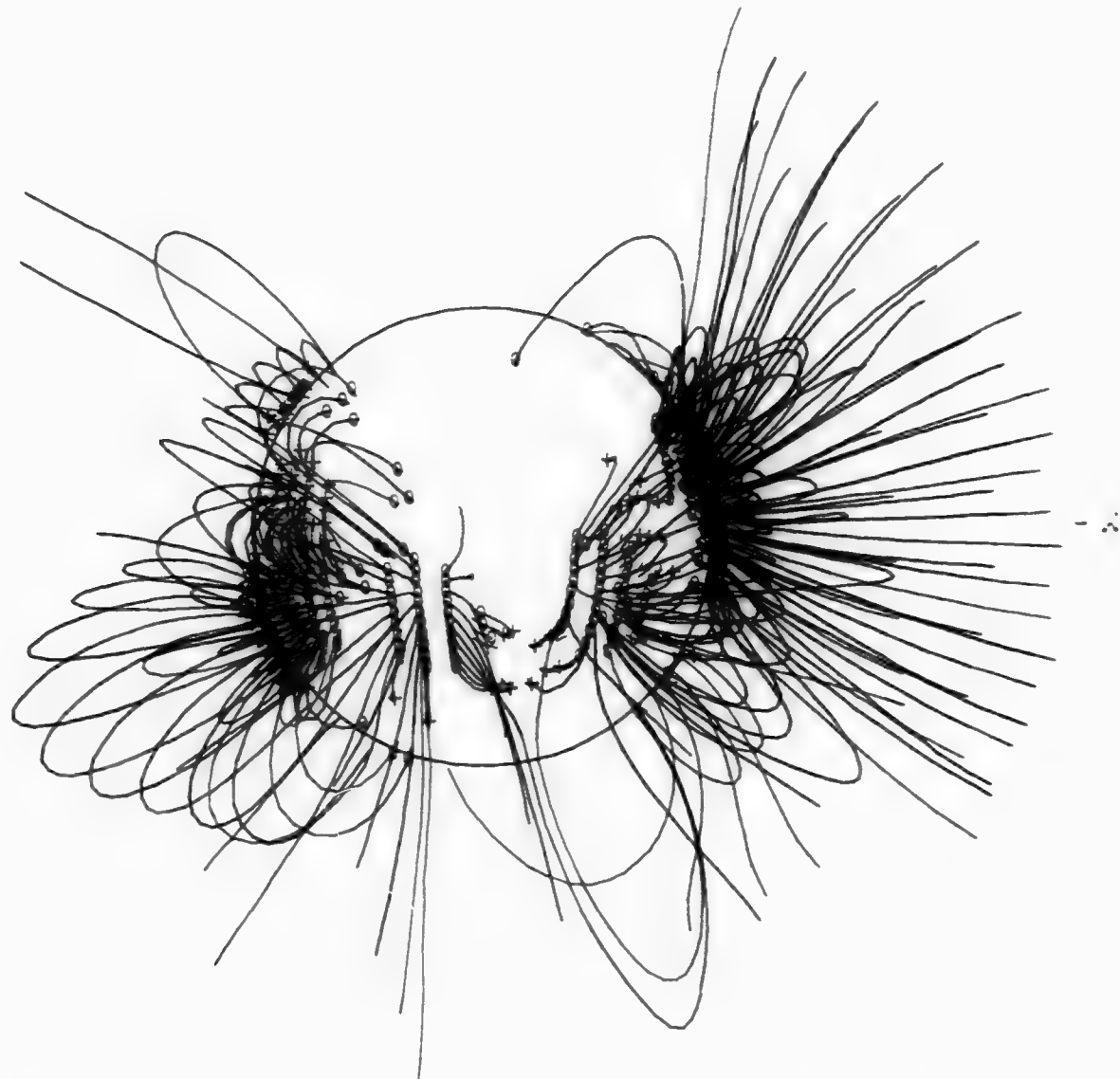
E -

QUALITY 100
 FILED 1967
 DATA 1967



1967 1967 1967
 1967 1967 1967

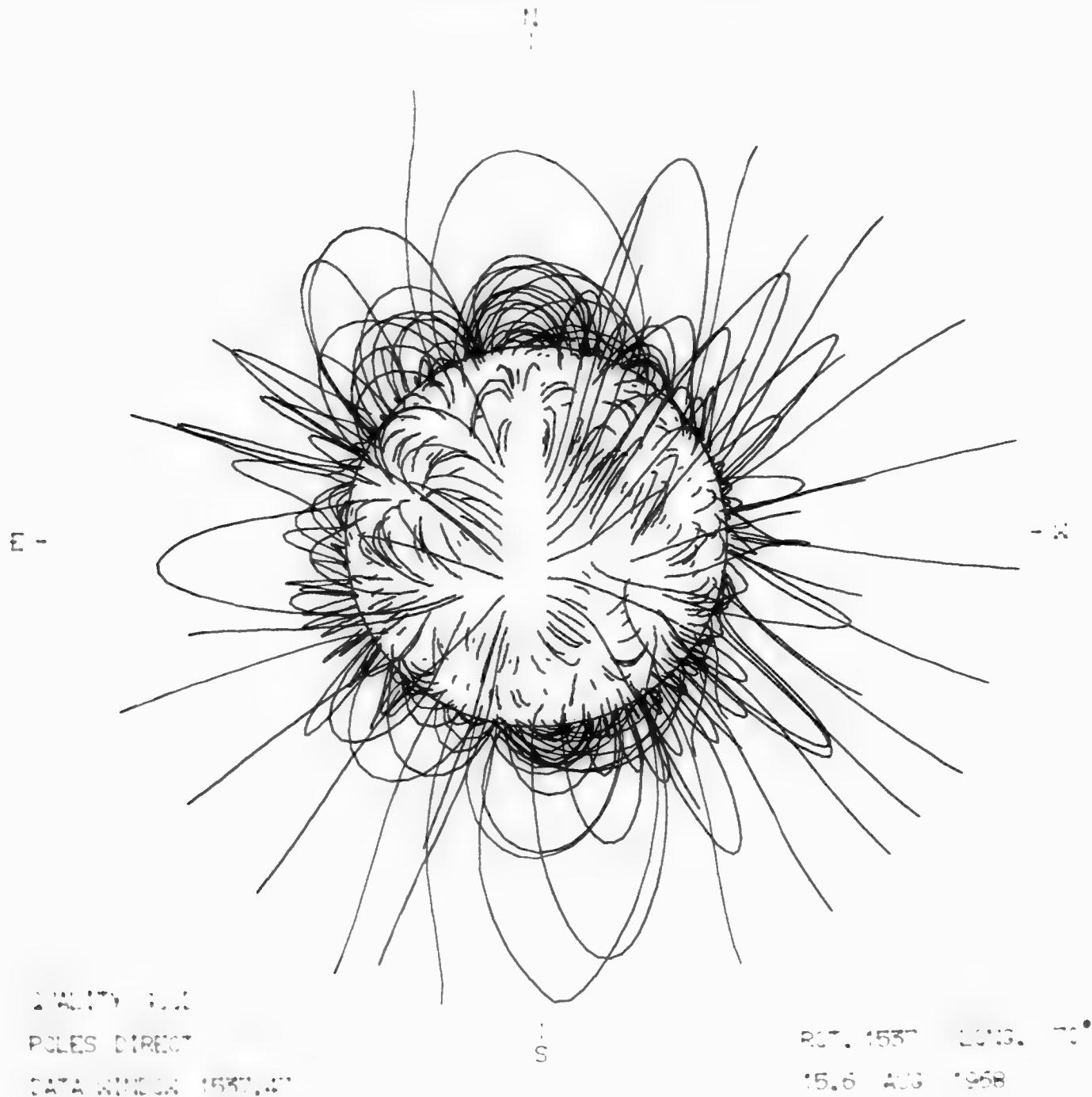
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



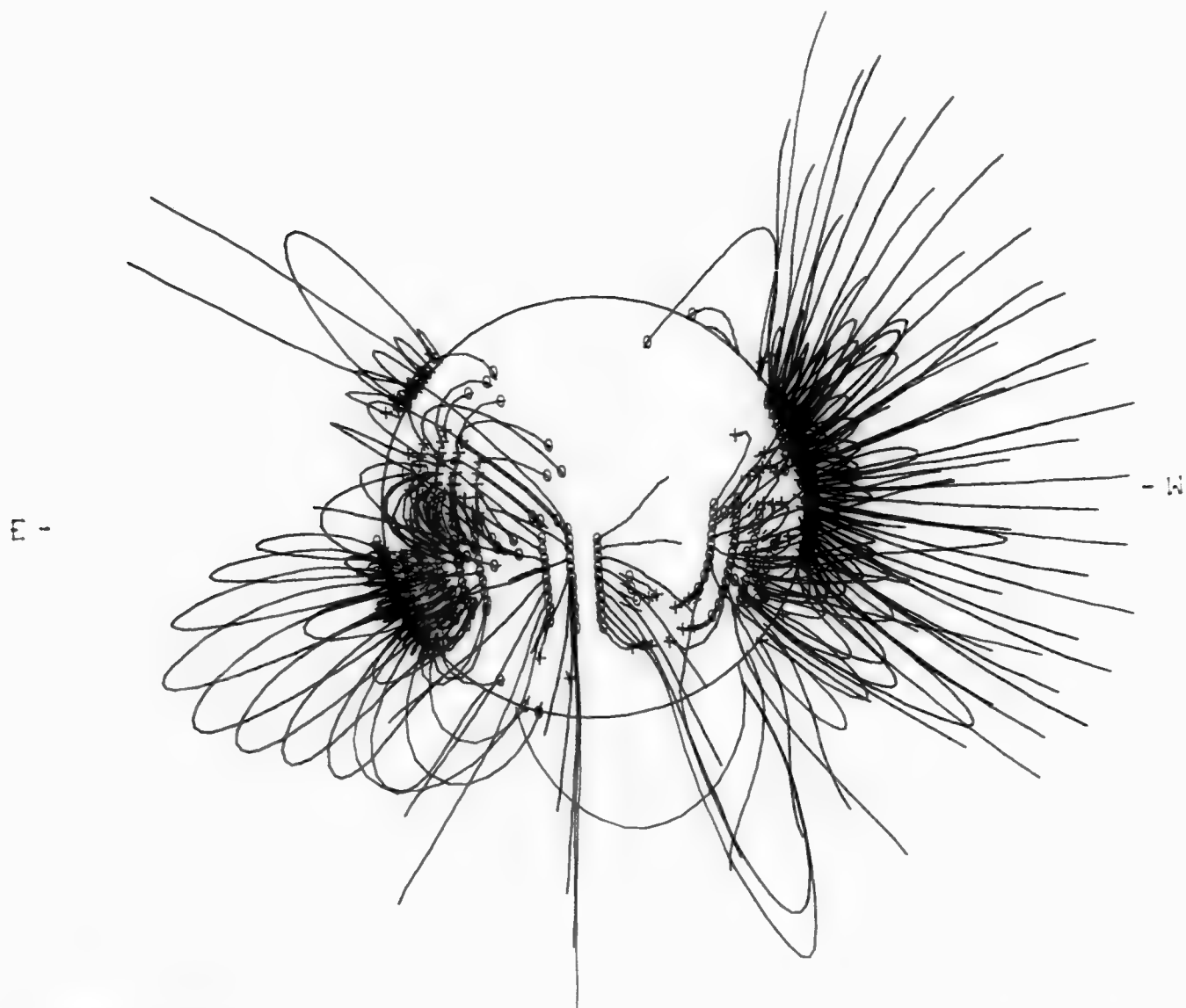
QUALITY GOOD
FILES DIRECT
DATA WIDE AREA 1957.47

R.T. 1957 10.0. 60°
14.8 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

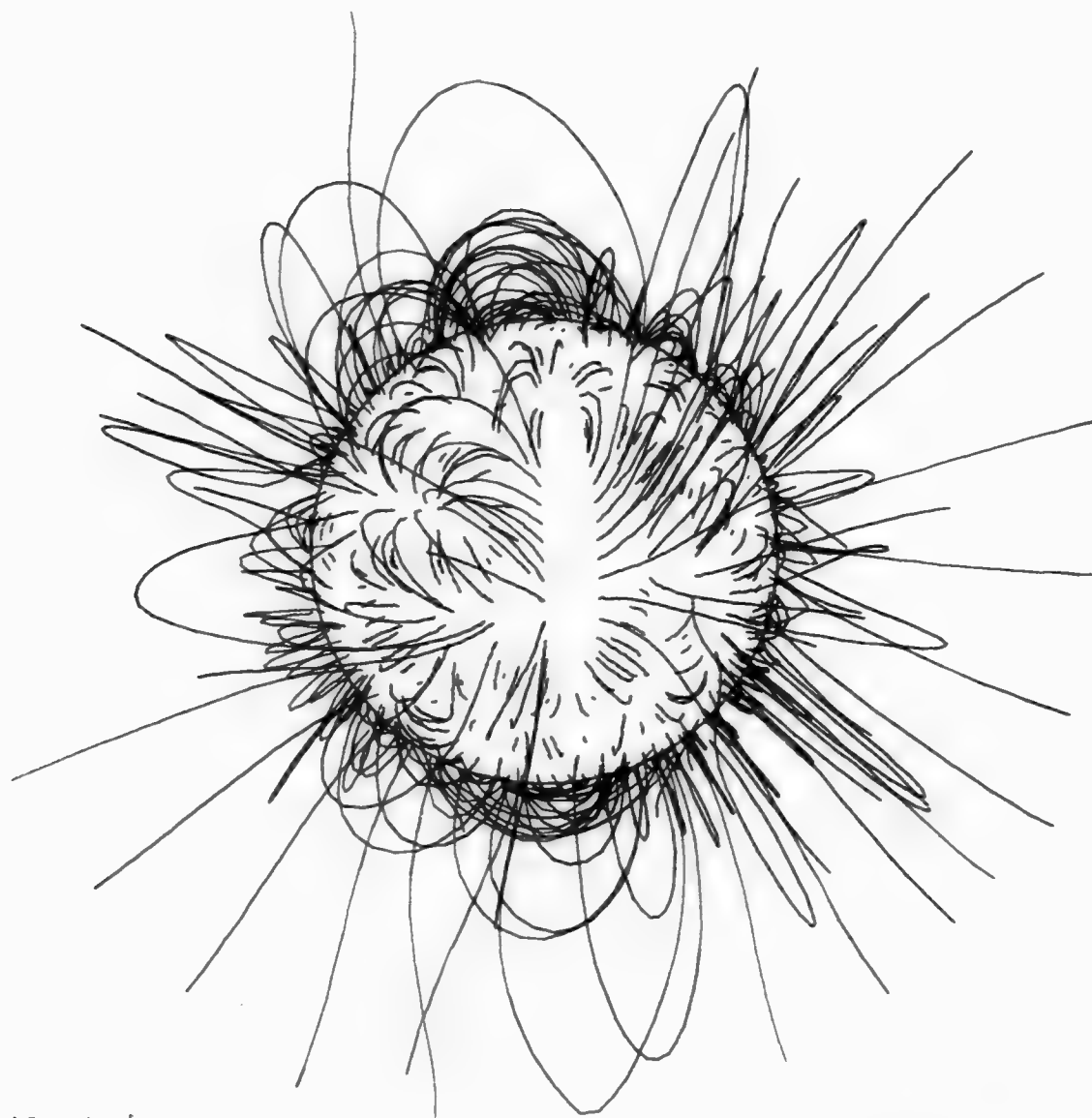


QUALITY GOOD
 RULES DIRECT
 DATA WINDOW 1537.47

ROT. 1537 LONG. 71°
 15.6 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

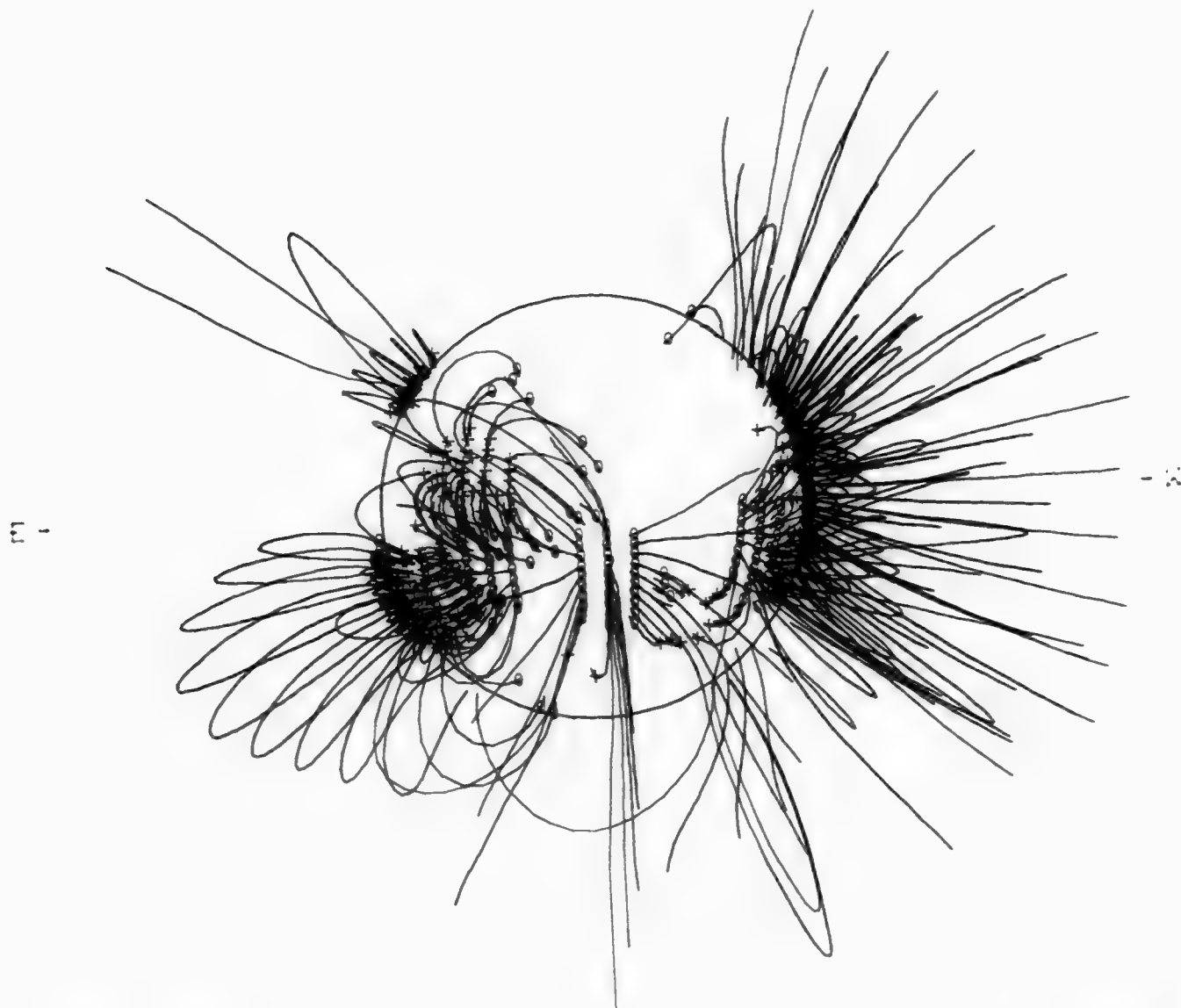


QUALITY GOOD
POLES DIRECT
DATA AUGUST 1957.47

S

R.T. 1537 2013. 50°
16.3 AUG 1968

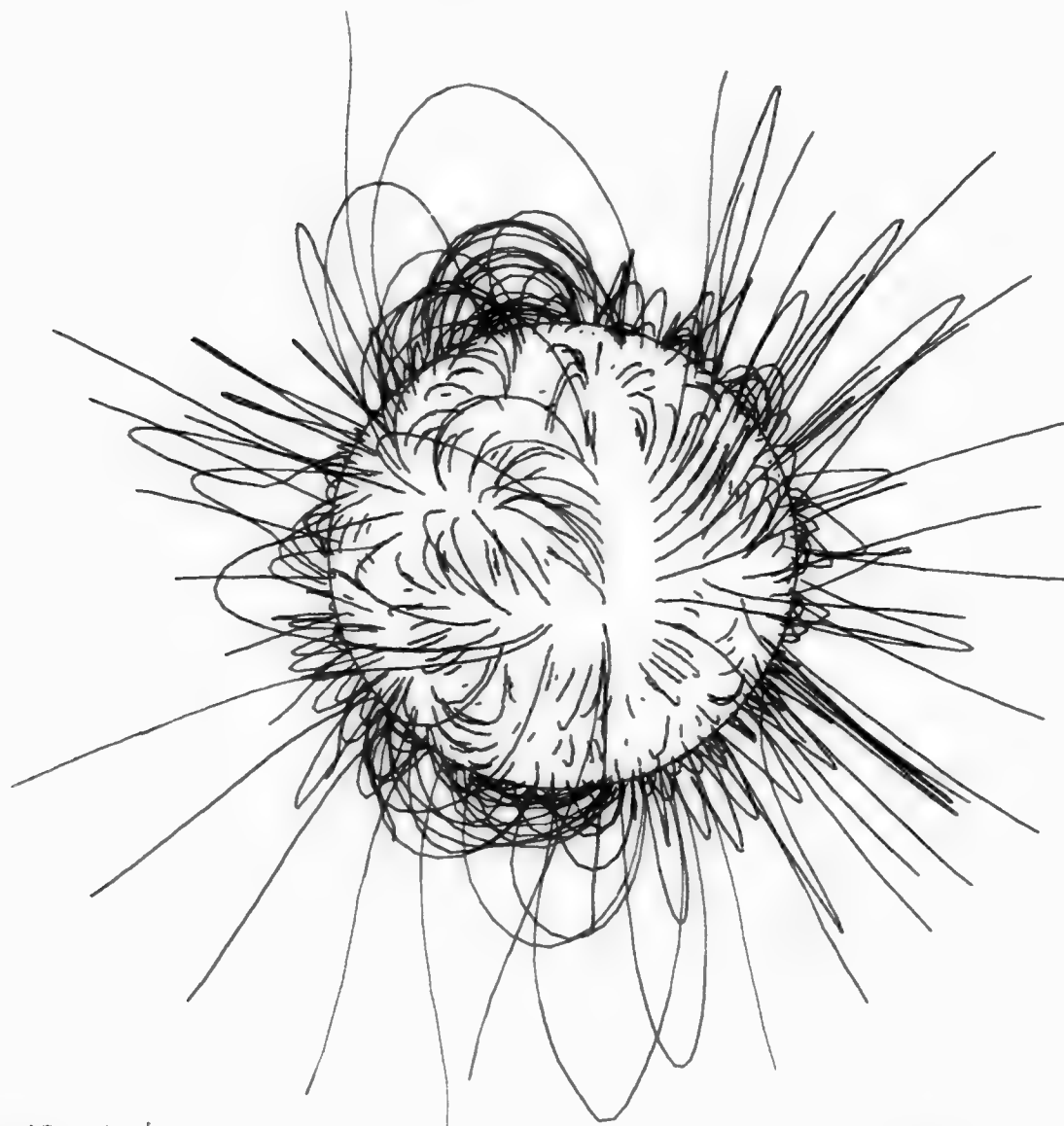
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



2000000000
 1000000000
 1000000000

1000000000 1000000000
 1000000000 1000000000

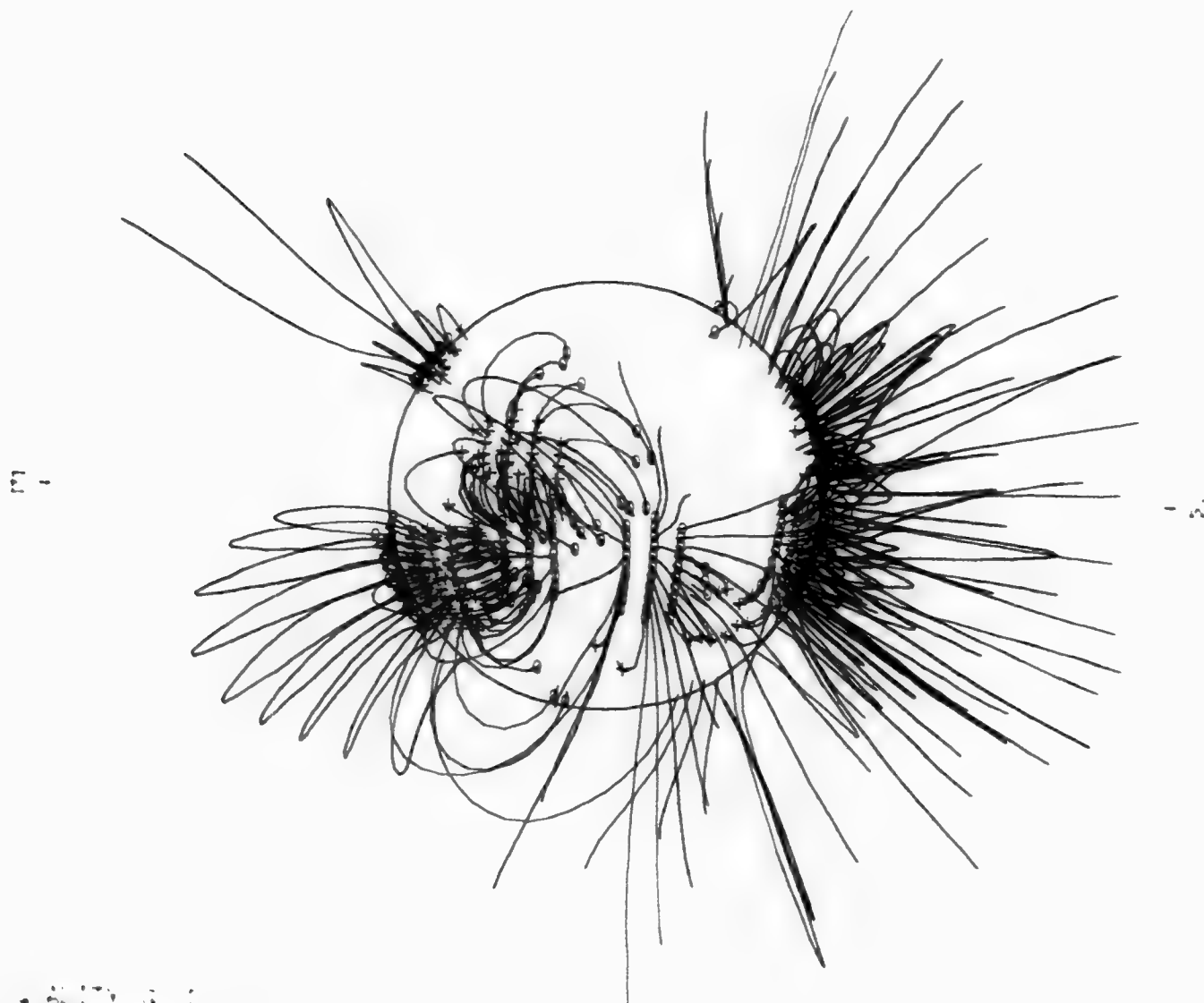
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



1. 10.17.1964
 RULES DIRECT
 DATA WINDOW 1537.4"

RUT. 1537 10.17.1964
 10.17.1964

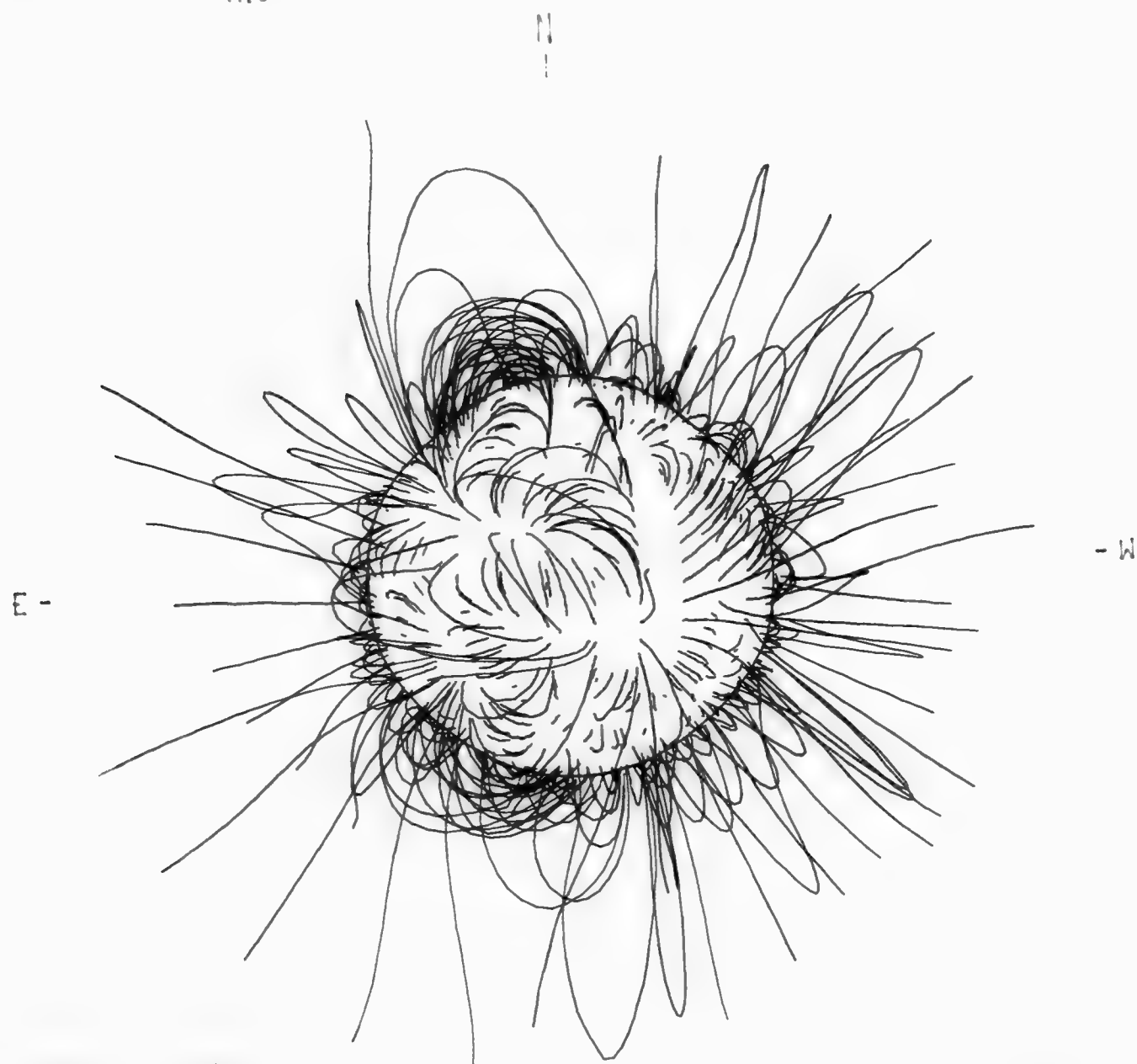
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY 5000
POLES DIRECT
DATA W/IN 1530.0

ROT. 1537 111. 51°
17. 11 1968

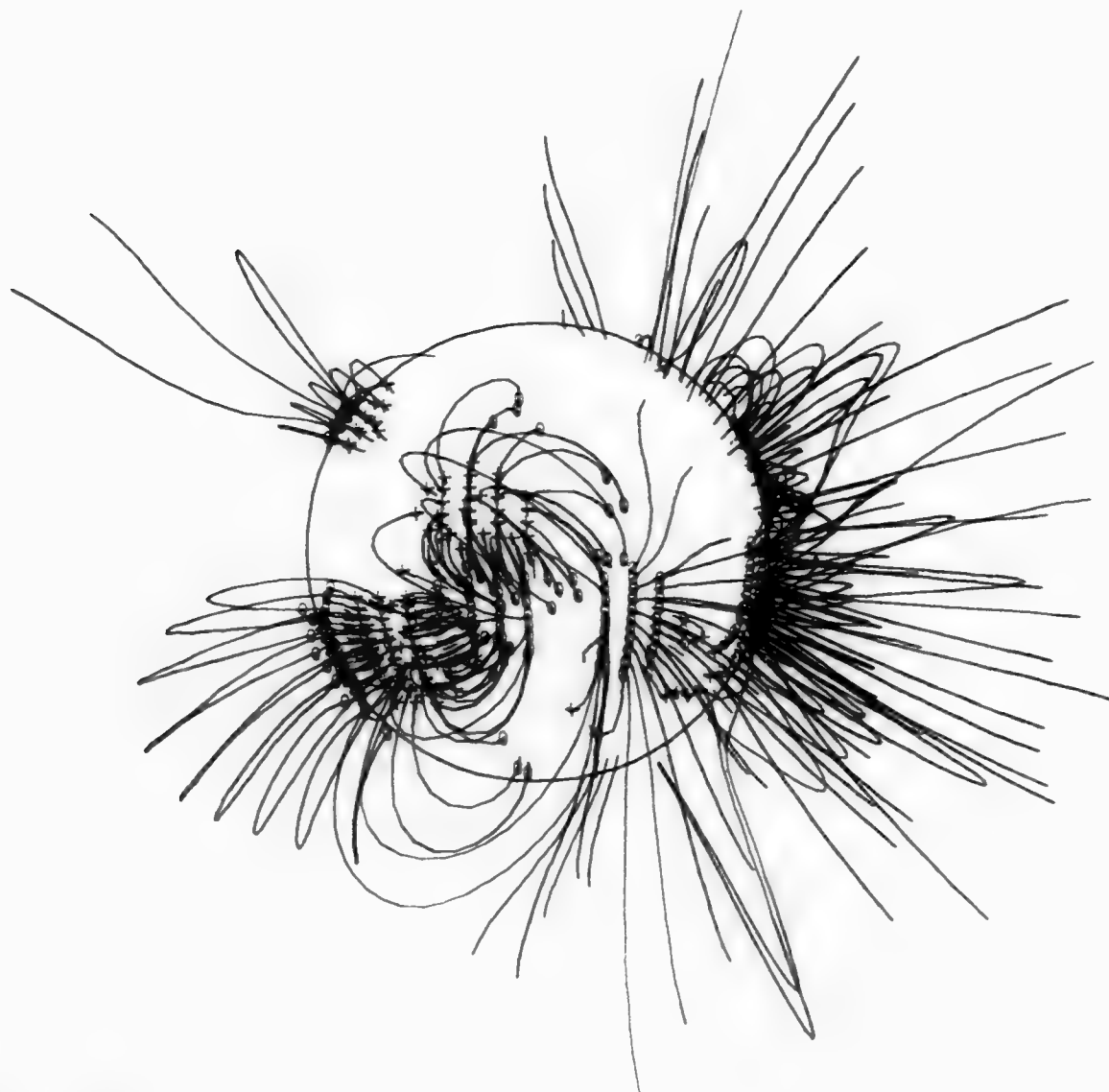
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
FILES DIRECT
DATA NUMBER 1537.47

ROT. 1537 LONG. 40°
17.8 AUG 1968

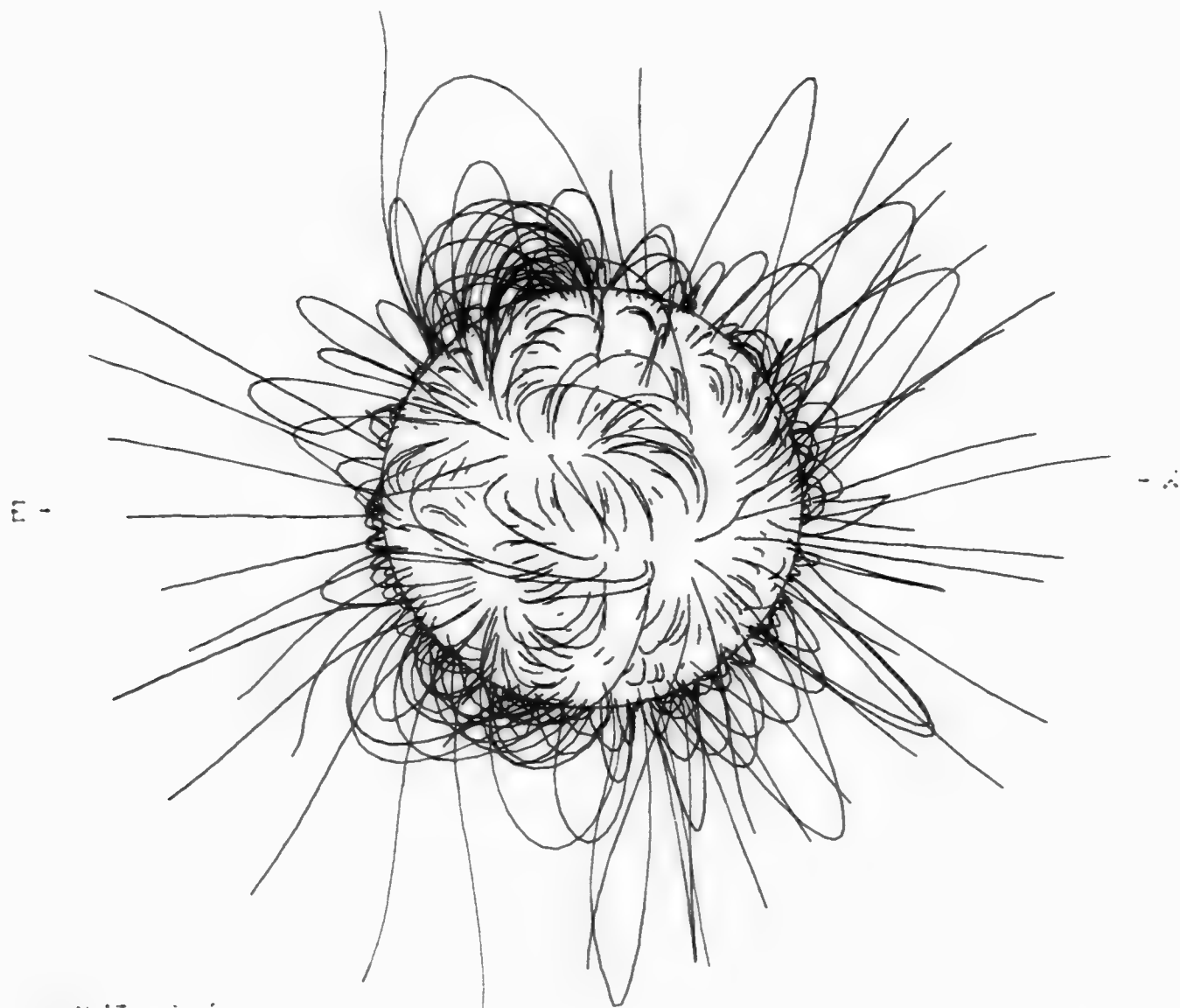
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY 1000
 FLUX DENSITY
 DATA FROM 1957.57

1957 1958 1959
 1960 1961 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

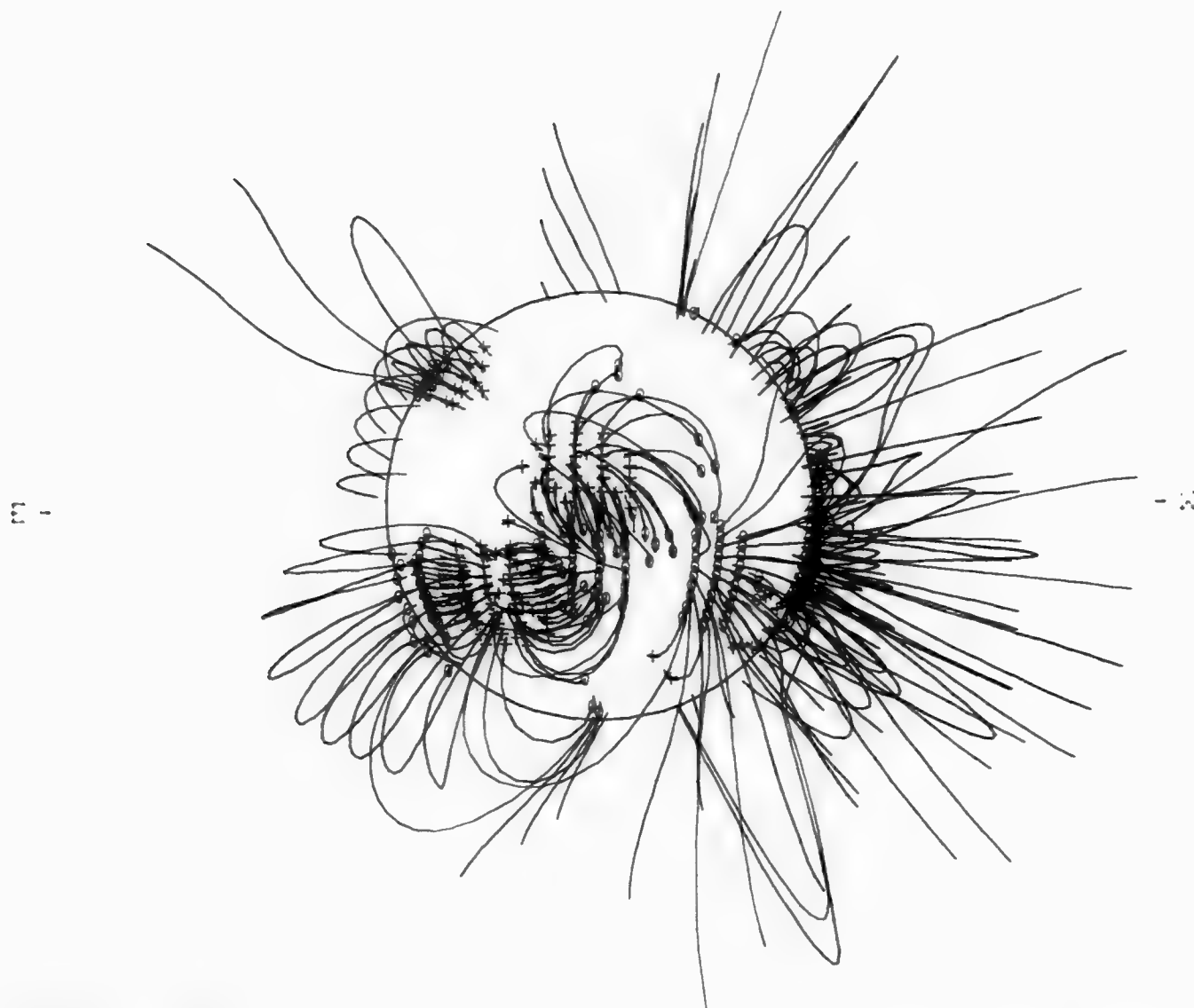


ALITY 3000
POLES DIRECT
DATA 1000 1000 1000

S

R.T. 1537 1000 30°
18.6 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA 300

ALPHA 300

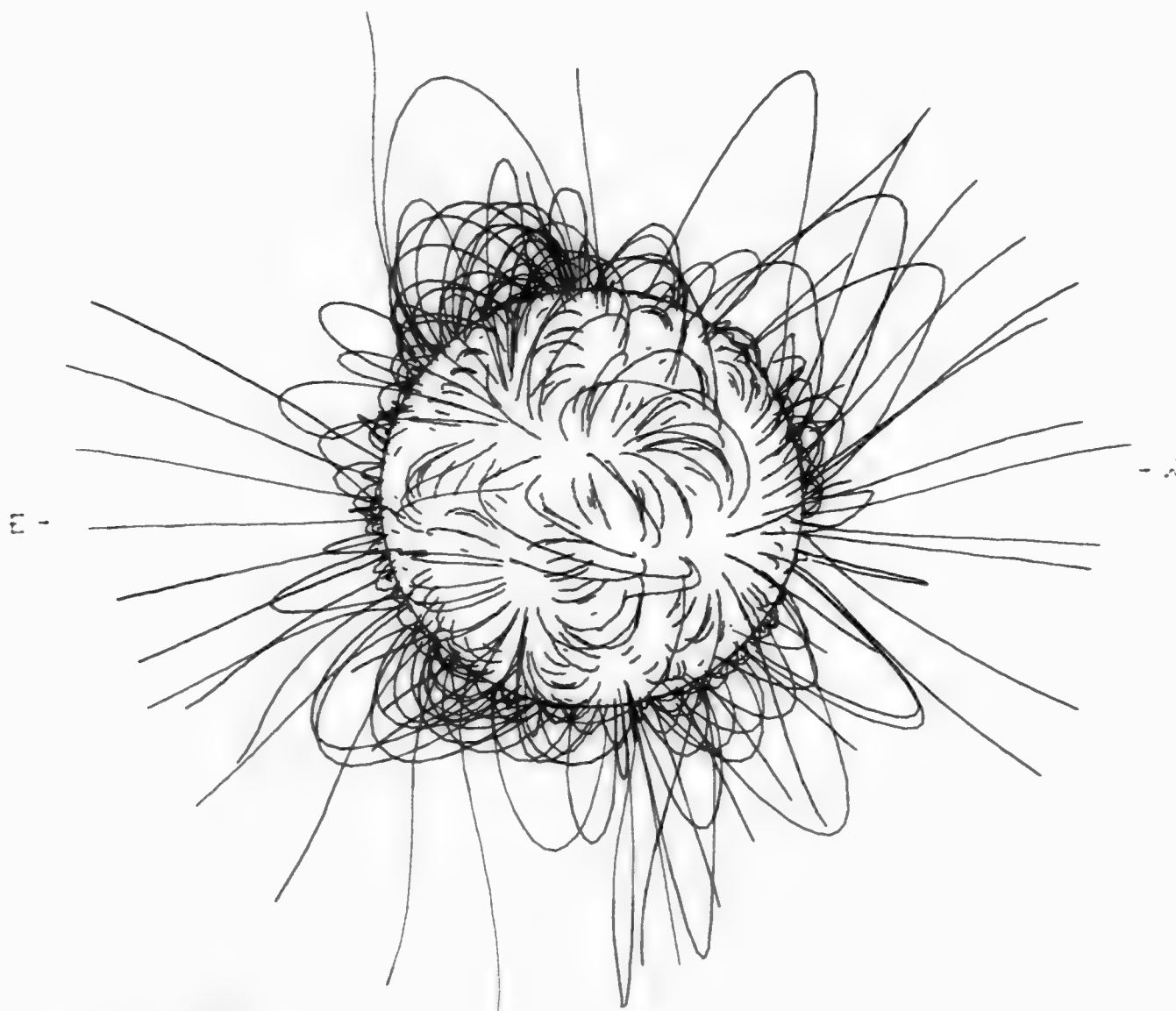
DATA 18.6 AUG 1968

1
S

ALPHA 300 18.6 AUG 1968

18.6 AUG 1968

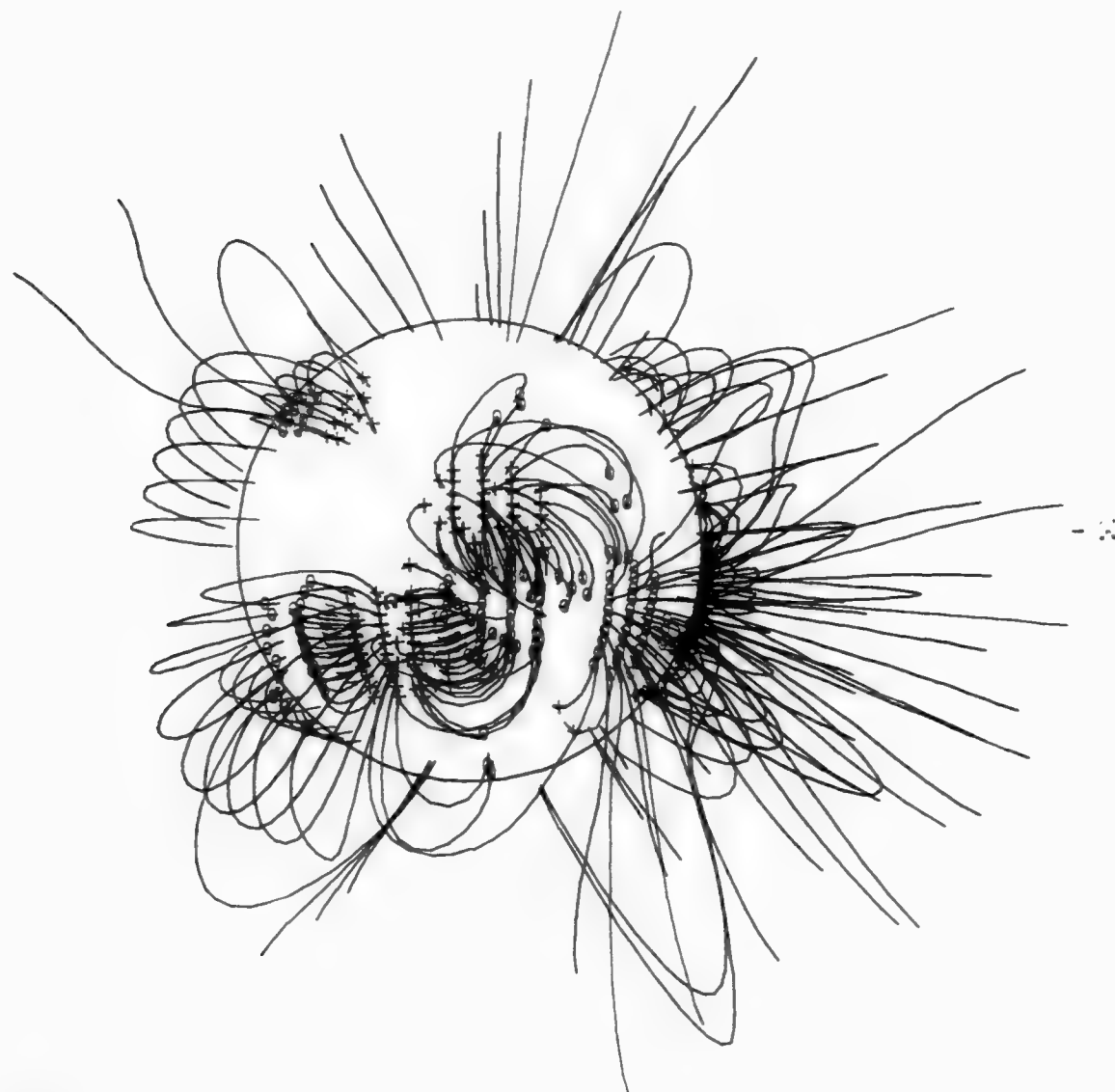
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE 1953
 HALE 1953
 HALE 1953

HALE 1953
 HALE 1953
 HALE 1953

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



LATITUDE 30.0
 FIELD CURRENT
 DATA WINDOW 1537.47

1
 S

RCT. 1537 LONG. 20°
 19.4 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

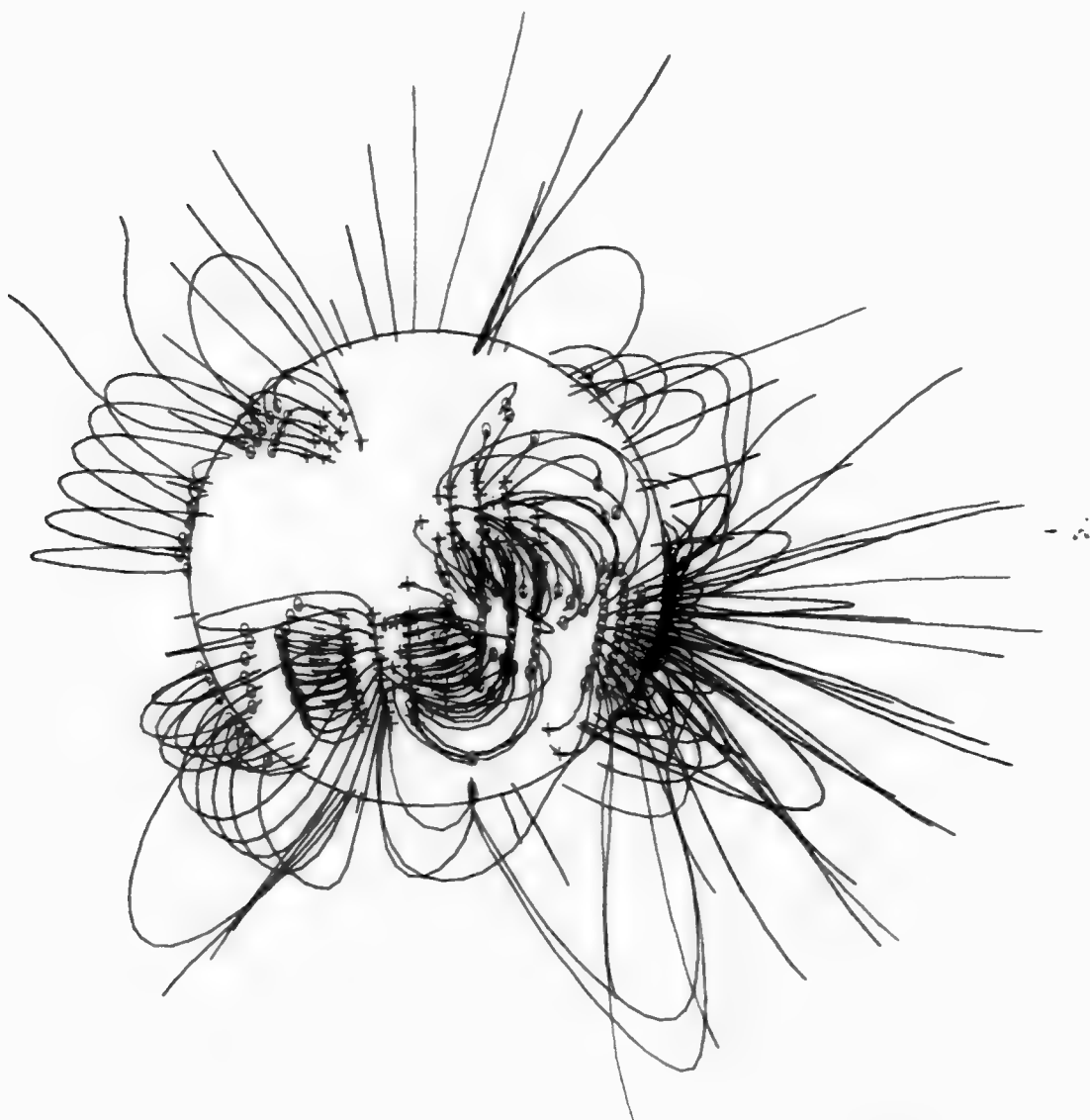
FILED DIRECT

DATA ACQUISITION 1537.47

RCT. 1537 LONG. 10°

20.1 AUG 1968

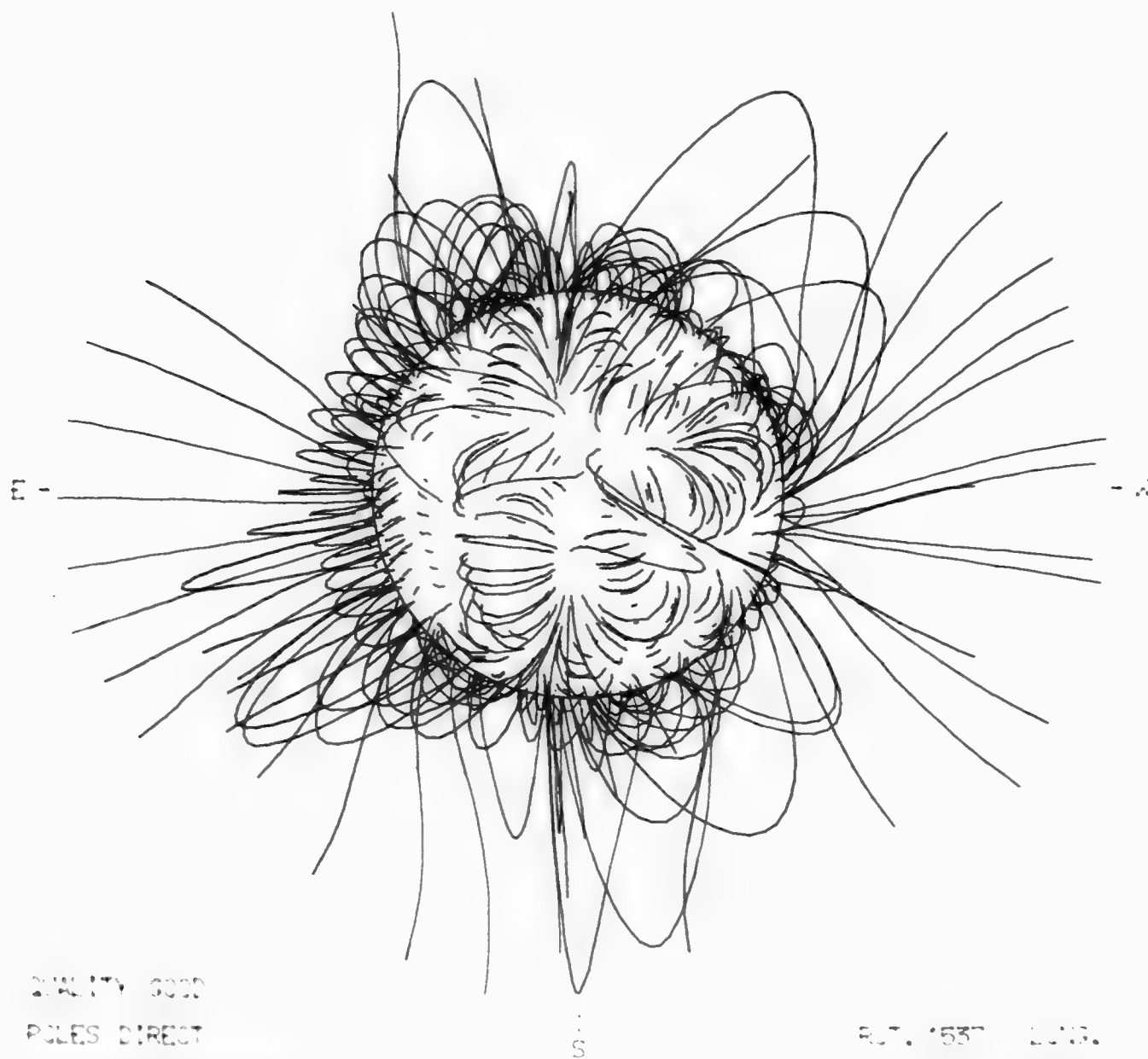
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 FULLY DIRECT
 DATA AREA 1557.07

1557.07 1557.07
 1557.07 1557.07

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

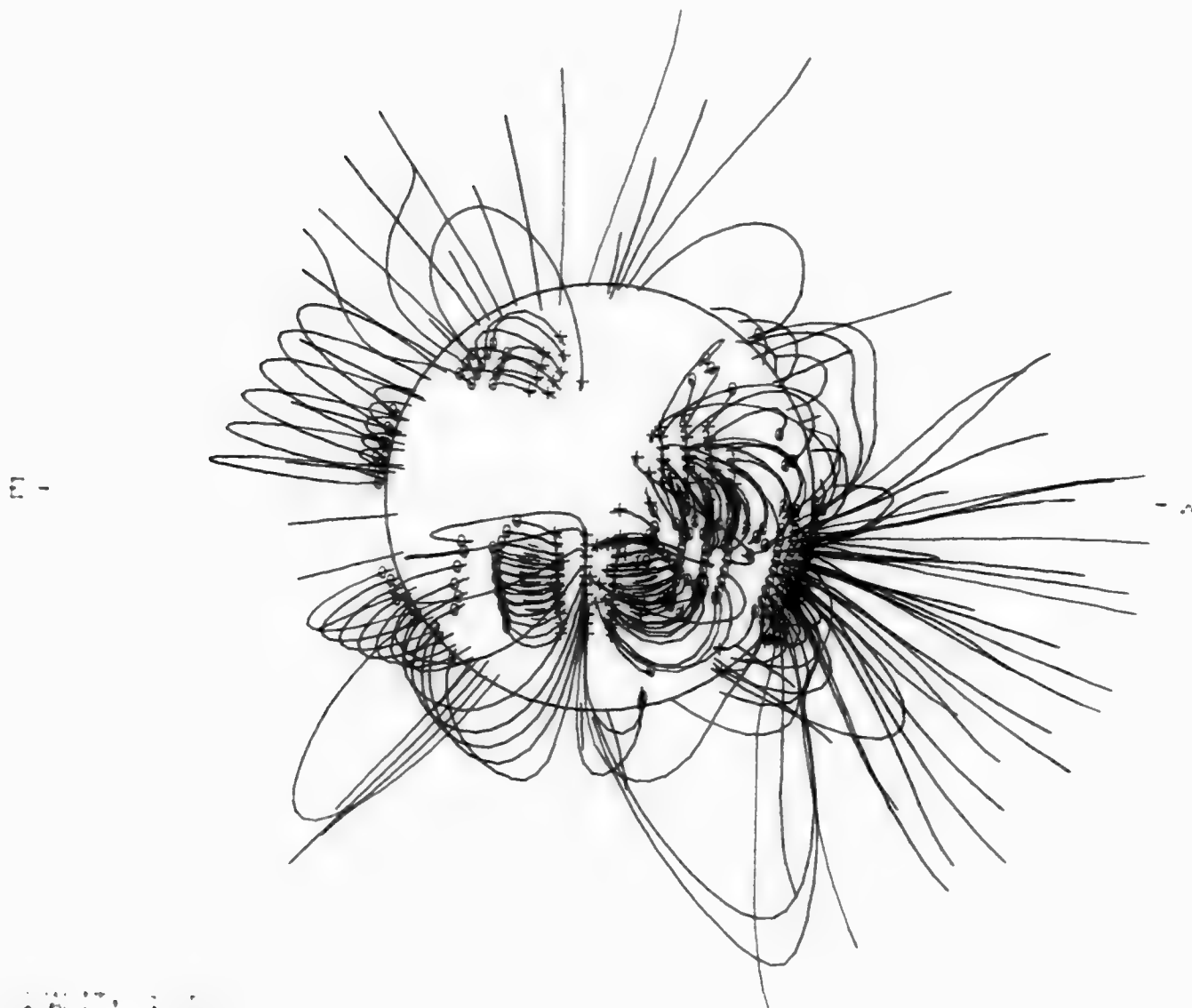
POLES DIRECT

DATA WINDOW 1537.47

RJT. 1537 1015. 10

20.9 AUG 1968

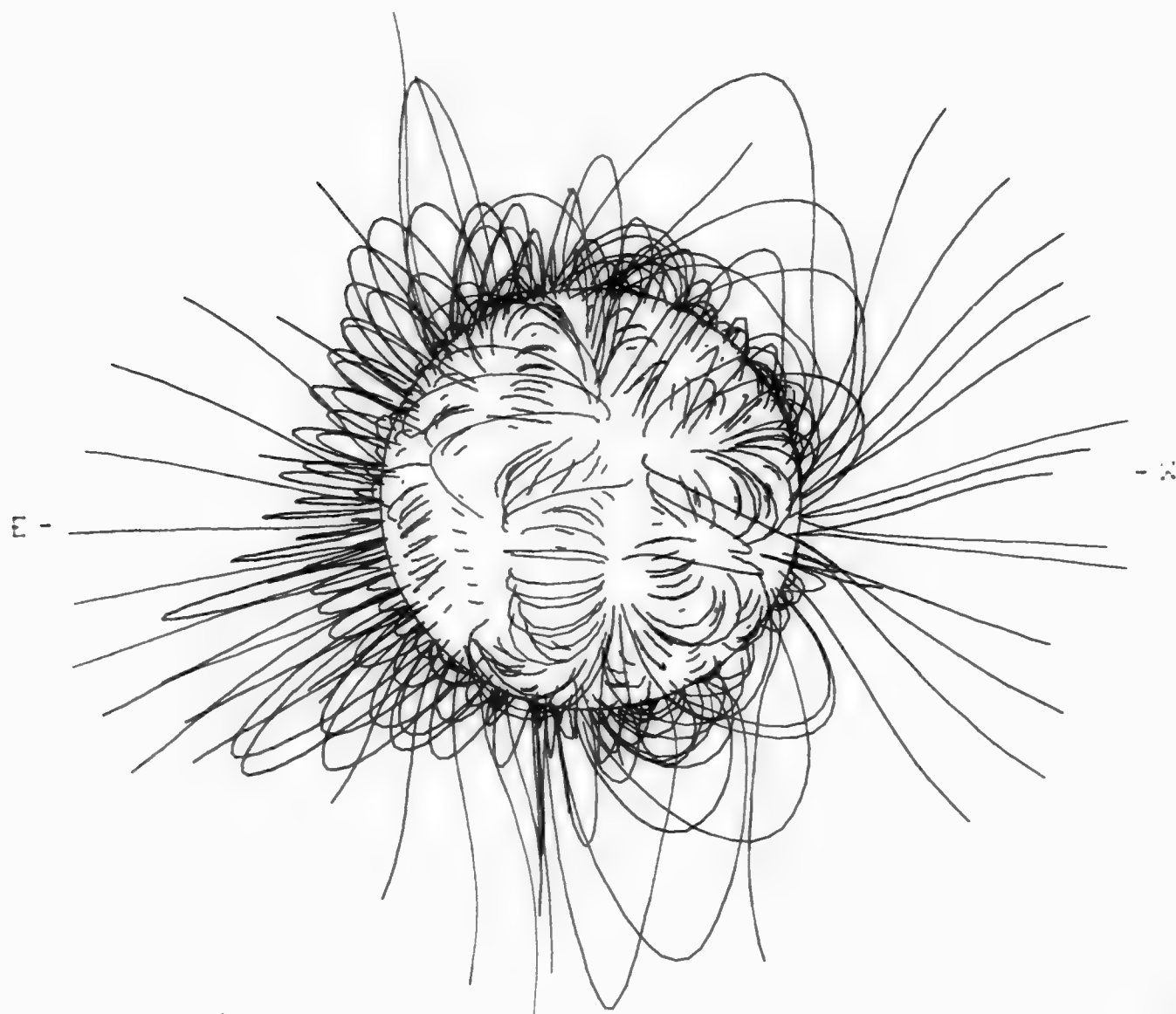
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.11
 RULES DIRECT
 DATA RANGE 1537.5"

ALT. 1537 20.9 1°
 20.9 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

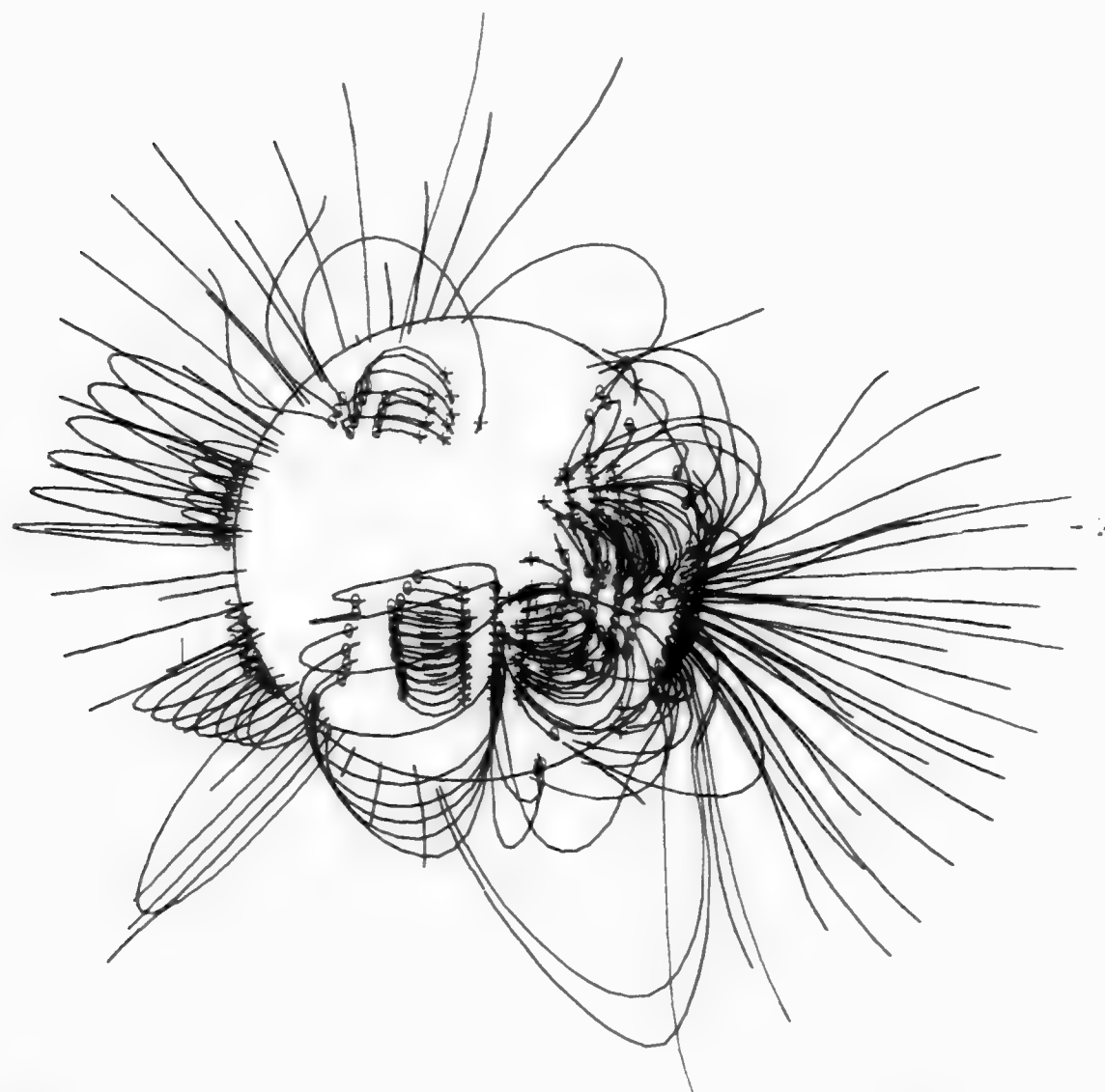


QUALITY GOOD
POLES DIRECT
DATA WINDOW 1531.47

S

ROT. 1538 LONG. 551°
11.6 AUG 1968

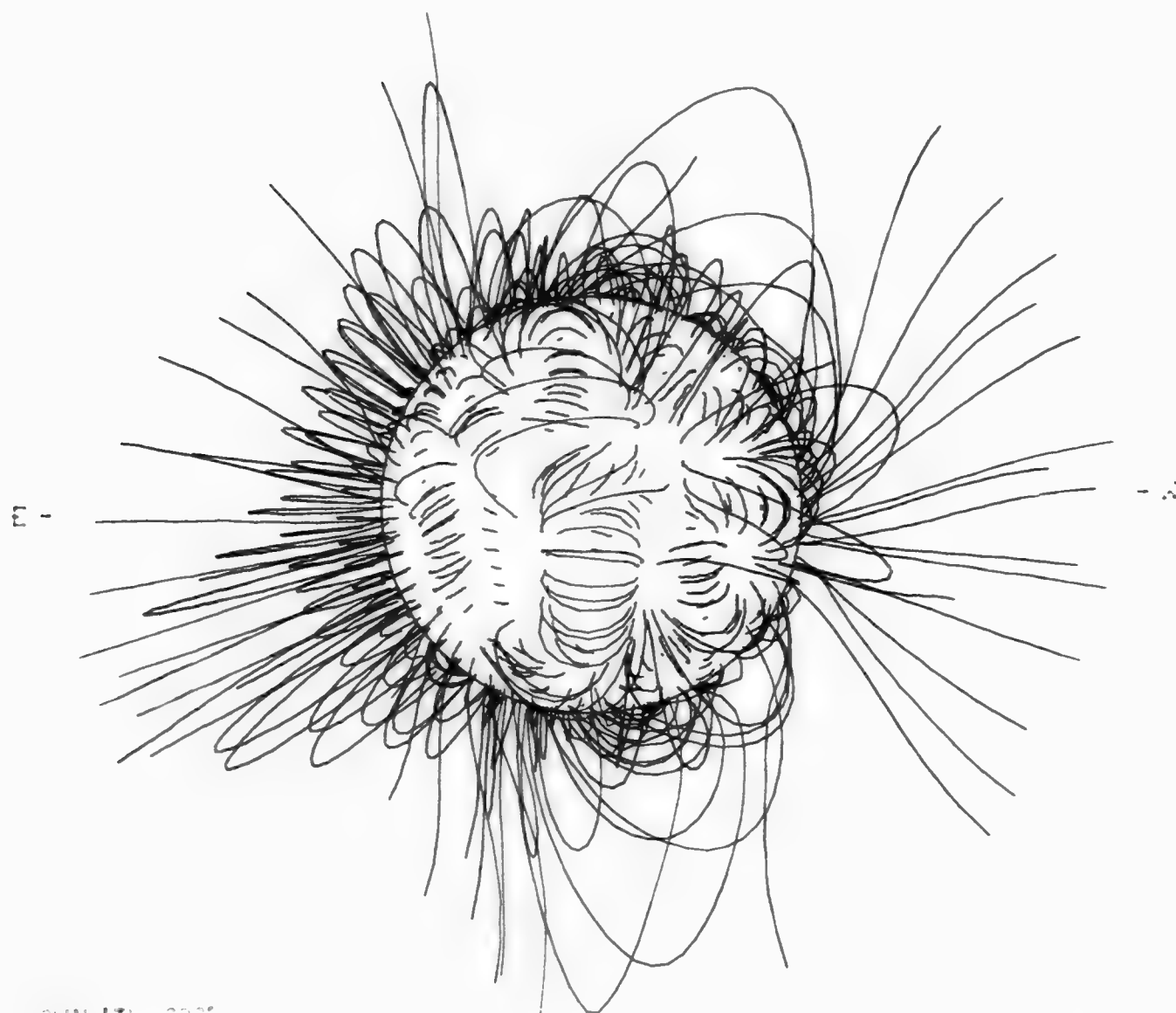
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100
 FOCUS DIRECT
 DATA 10000 1537.57

R.T. 1538 1000.351°
 21.6 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

FILES DIRECT

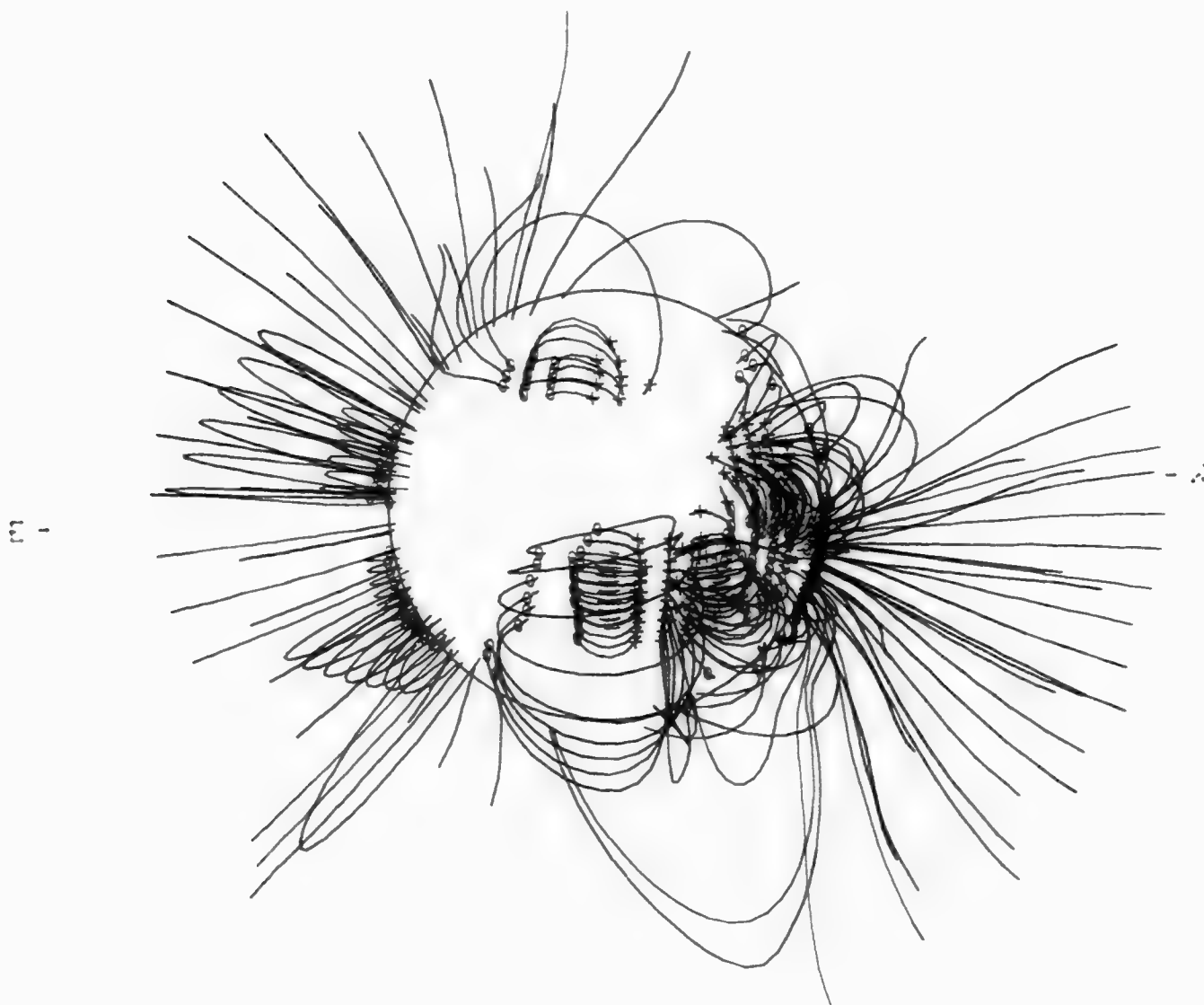
DATA WINDOW '537.4'

8.7. '538

21.0. 341°

22.4 AUG 1968

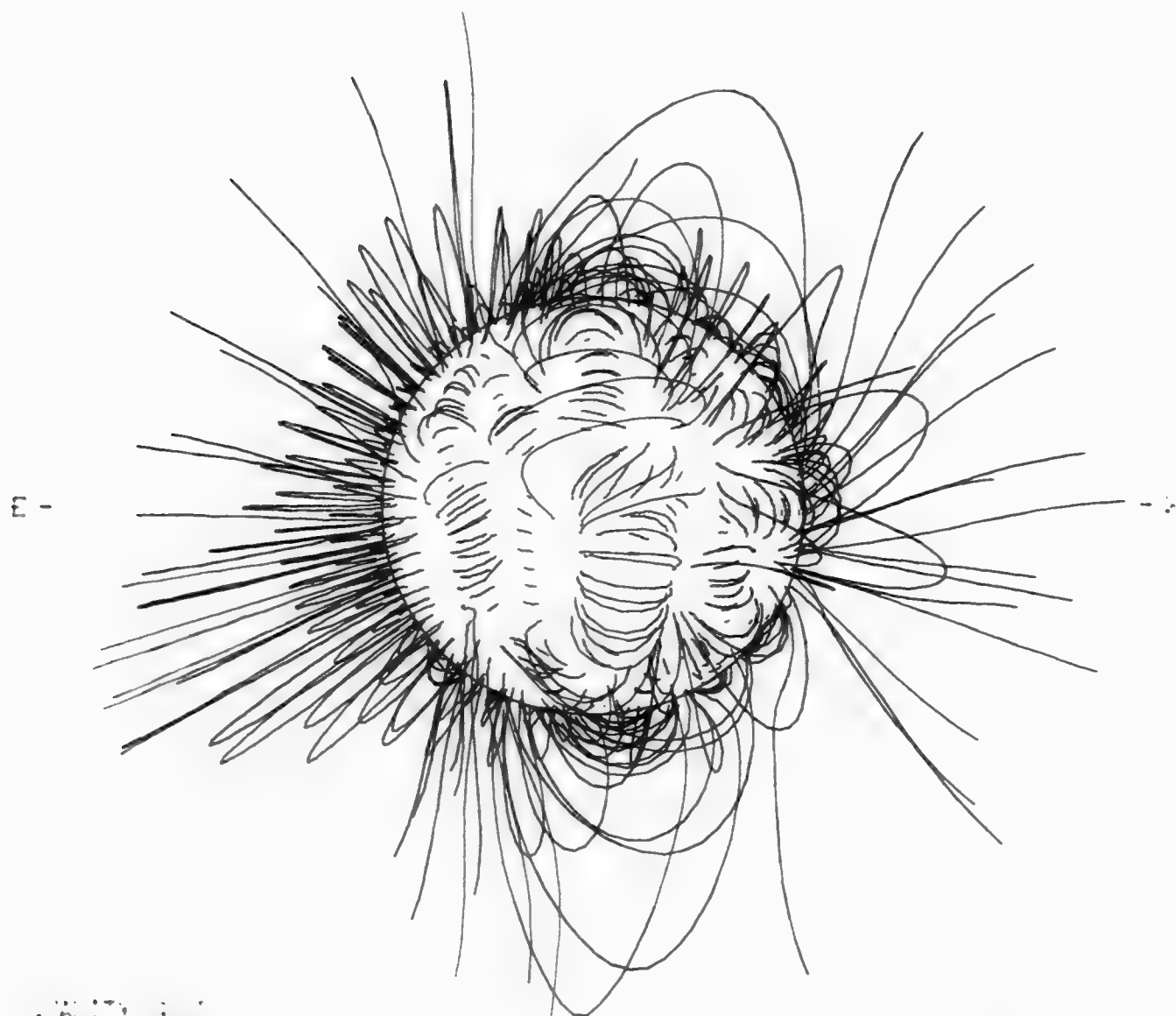
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 FIELD DIRECTION
 DATA WIND ON 1537.47

ROT. 1538 LONG. 340°
 22.4 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100

POLES DIRECT

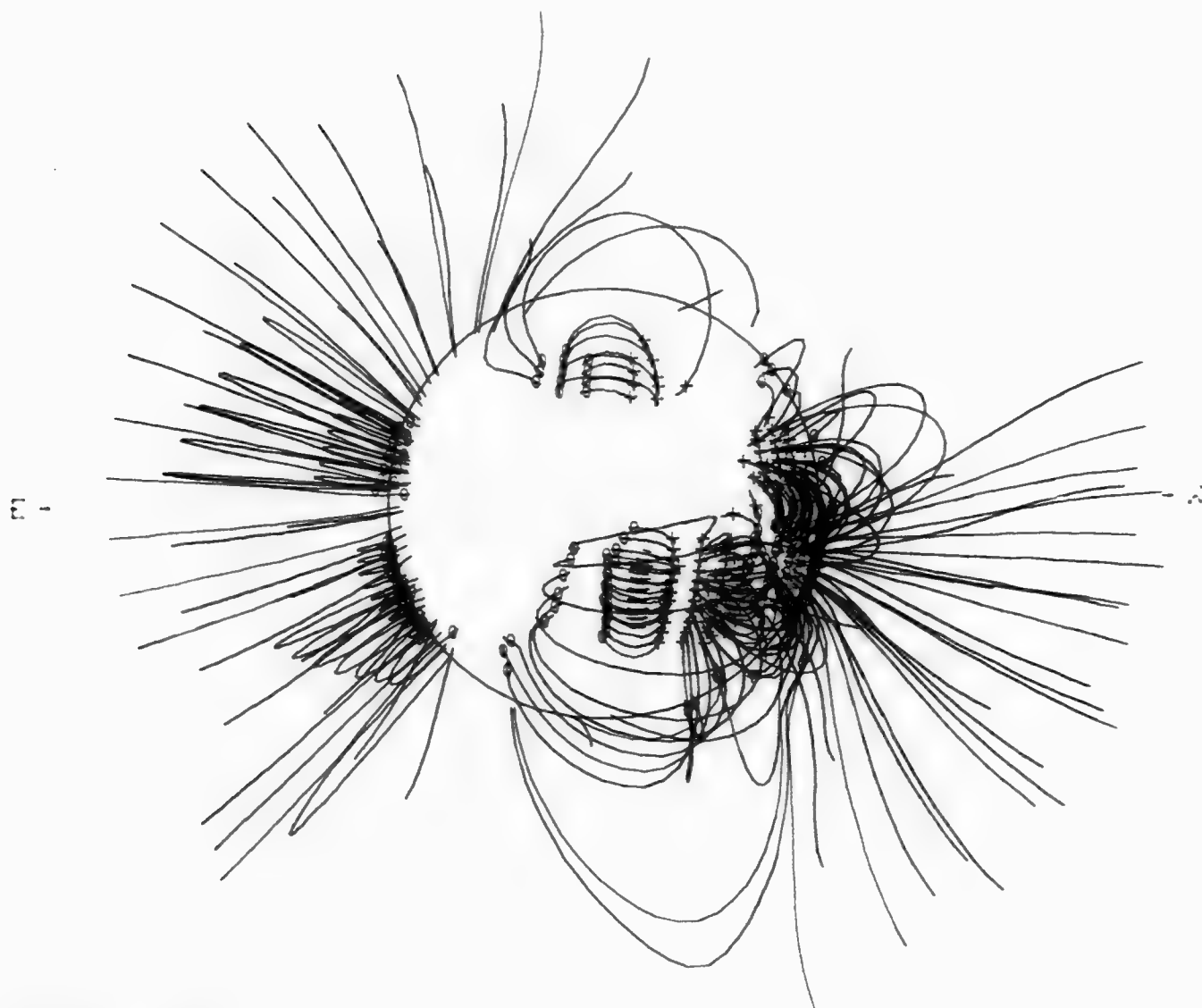
DATA WIND IN 1537.5"

S

ROT. 1538 LONG. 550°

23.1 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.11

FILED DIRECT

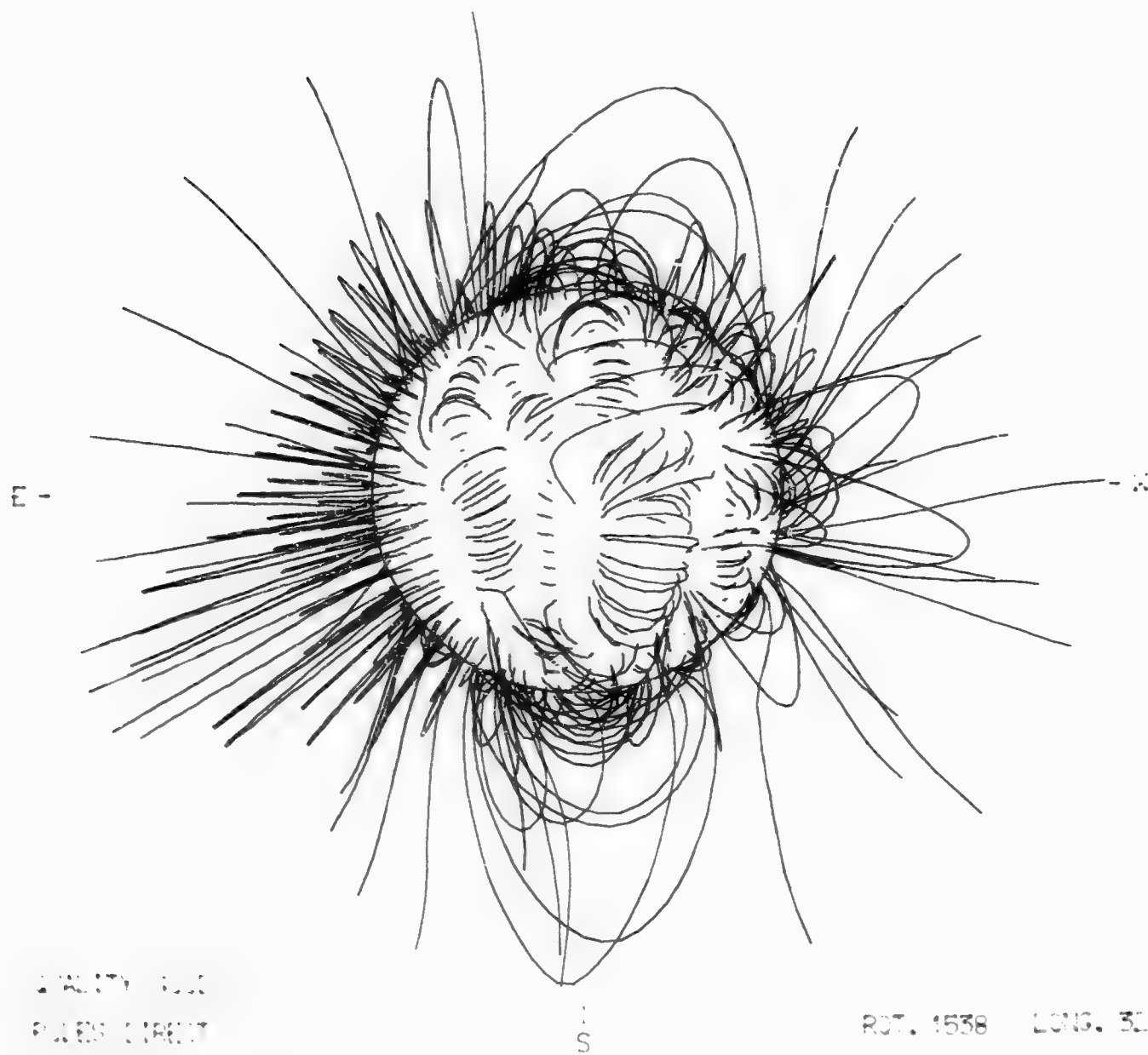
DATA ACQUISITION '53', '54'

S

RLT. '538 LING. 351°

23.1 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100

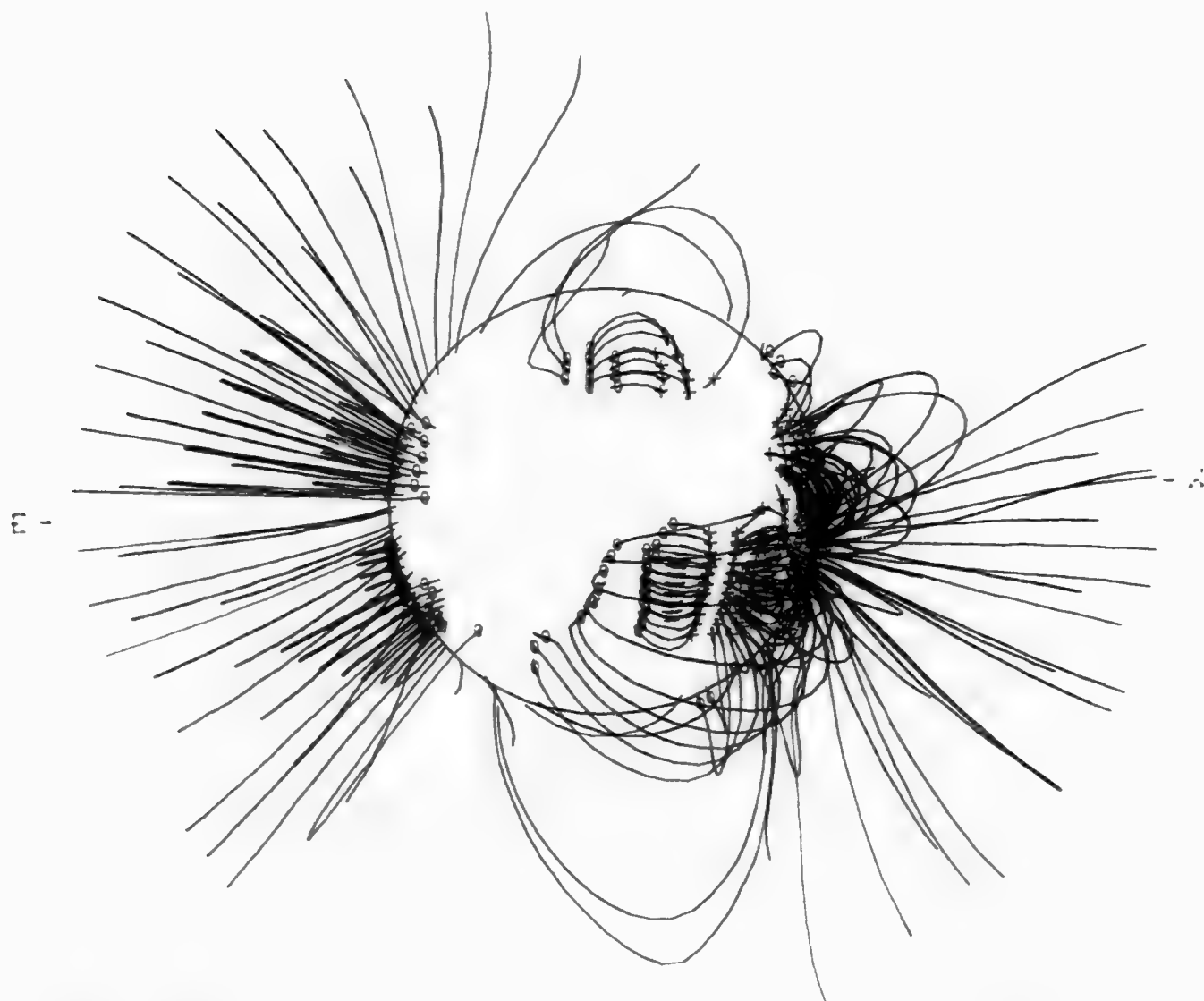
FILES 1000

DATA 1000 1000 1000

ROT. 1538 LONG. 301°

23.9 AUG 1968

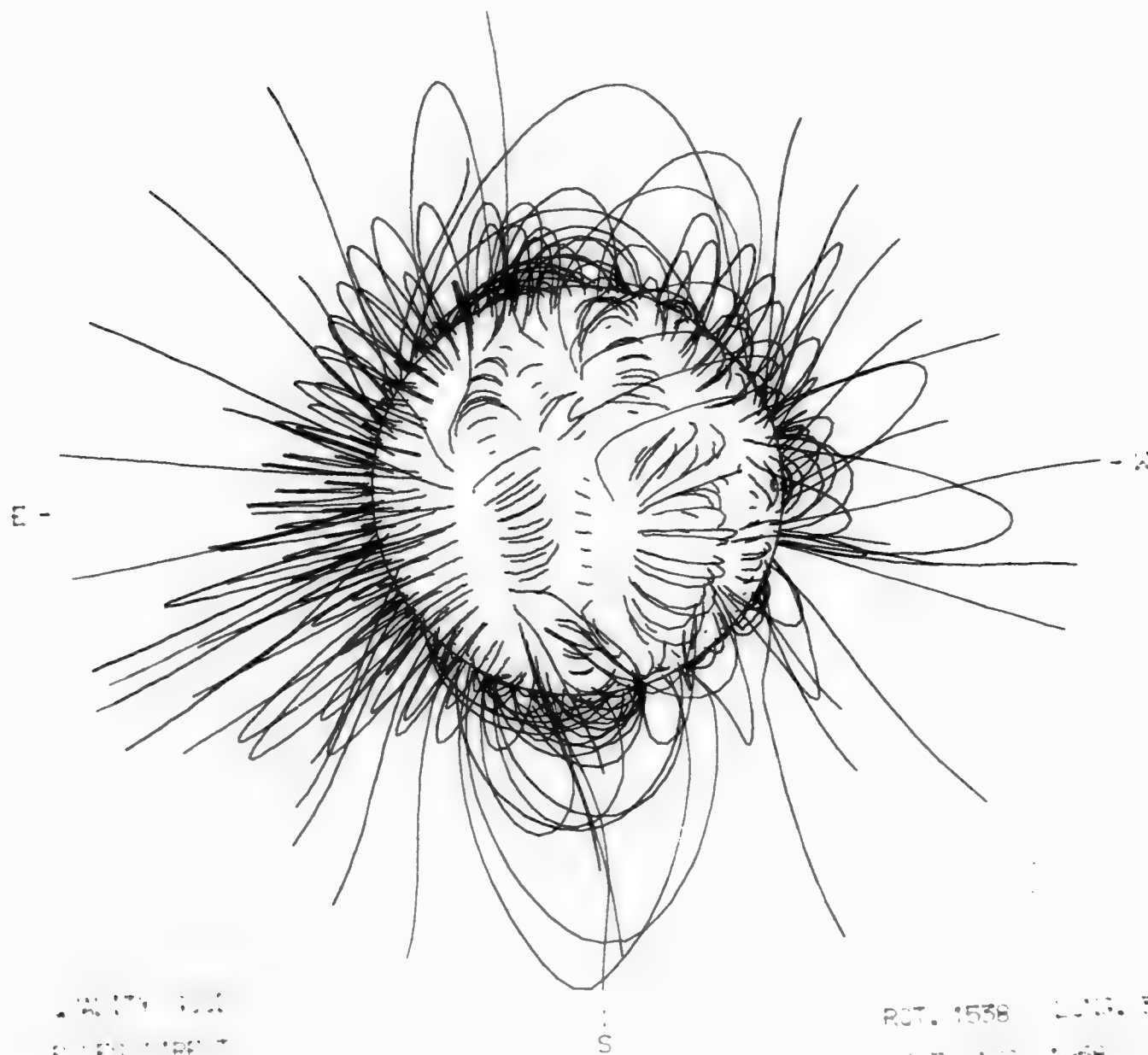
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



1. 10.17. 1968
 2. 10.17. 1968
 DATA 10.17. 1968

10.17. 1968 10.17. 1968
 23.9 AUG 1968

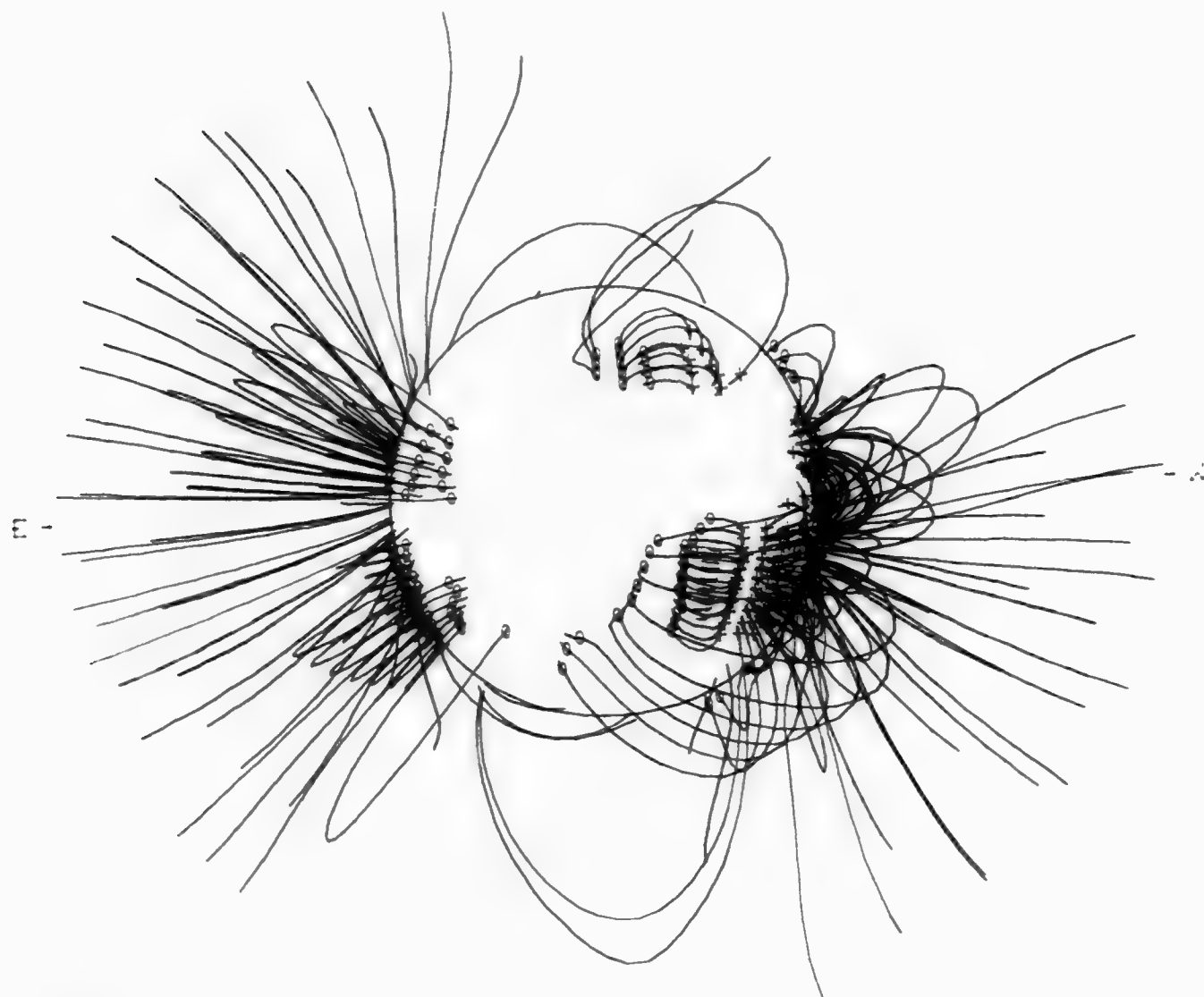
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE 10.1
 PLEIAD CURRENT
 DATA AND ORBITAL

ROT. 1538 LONG. 51°
 LAT. 21° 1908

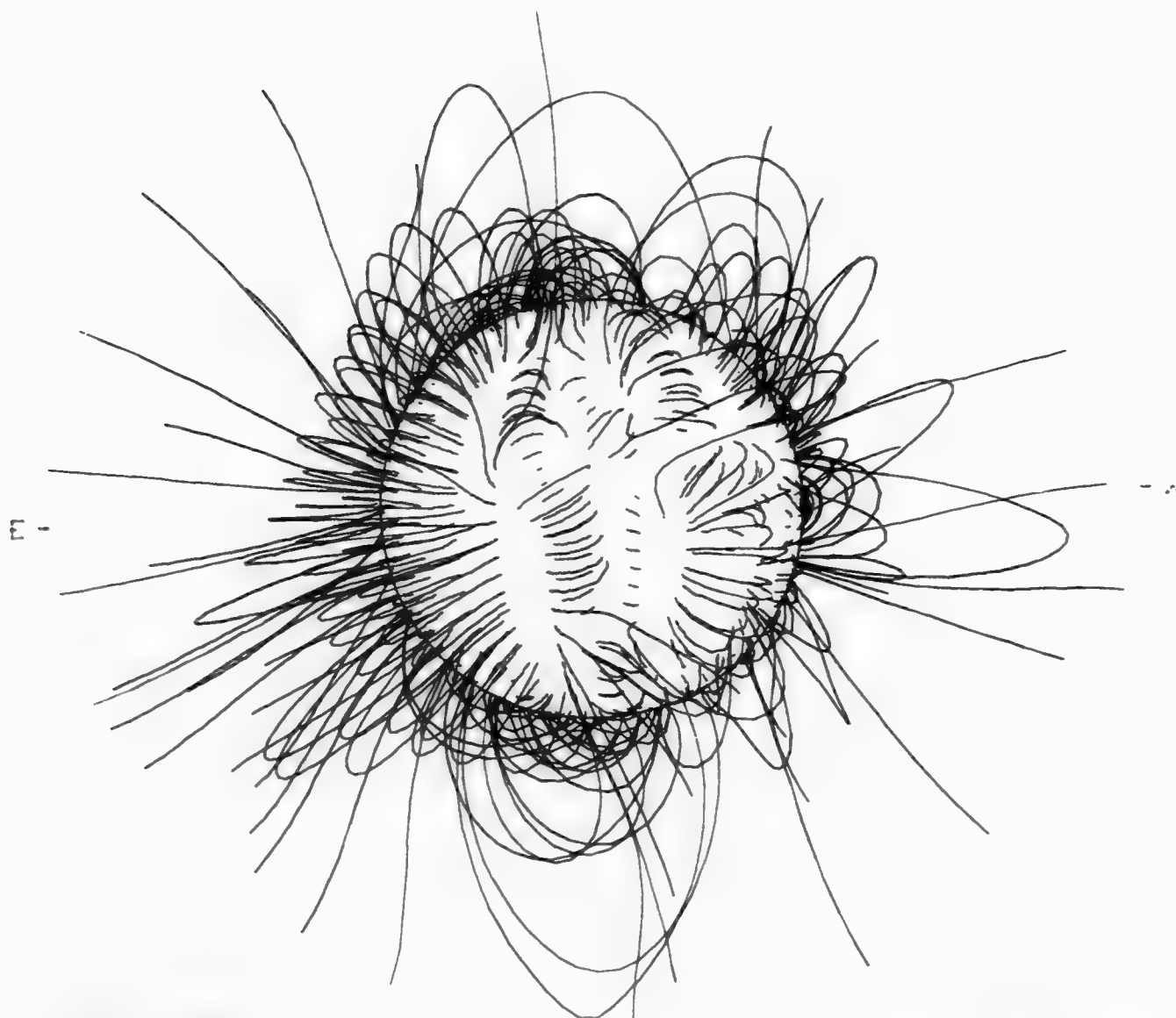
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY 0001
 RULES DIRECT
 DATA AND/OR 1537.00

ALT. 1538 1010.310
 DATA 1 1 1968

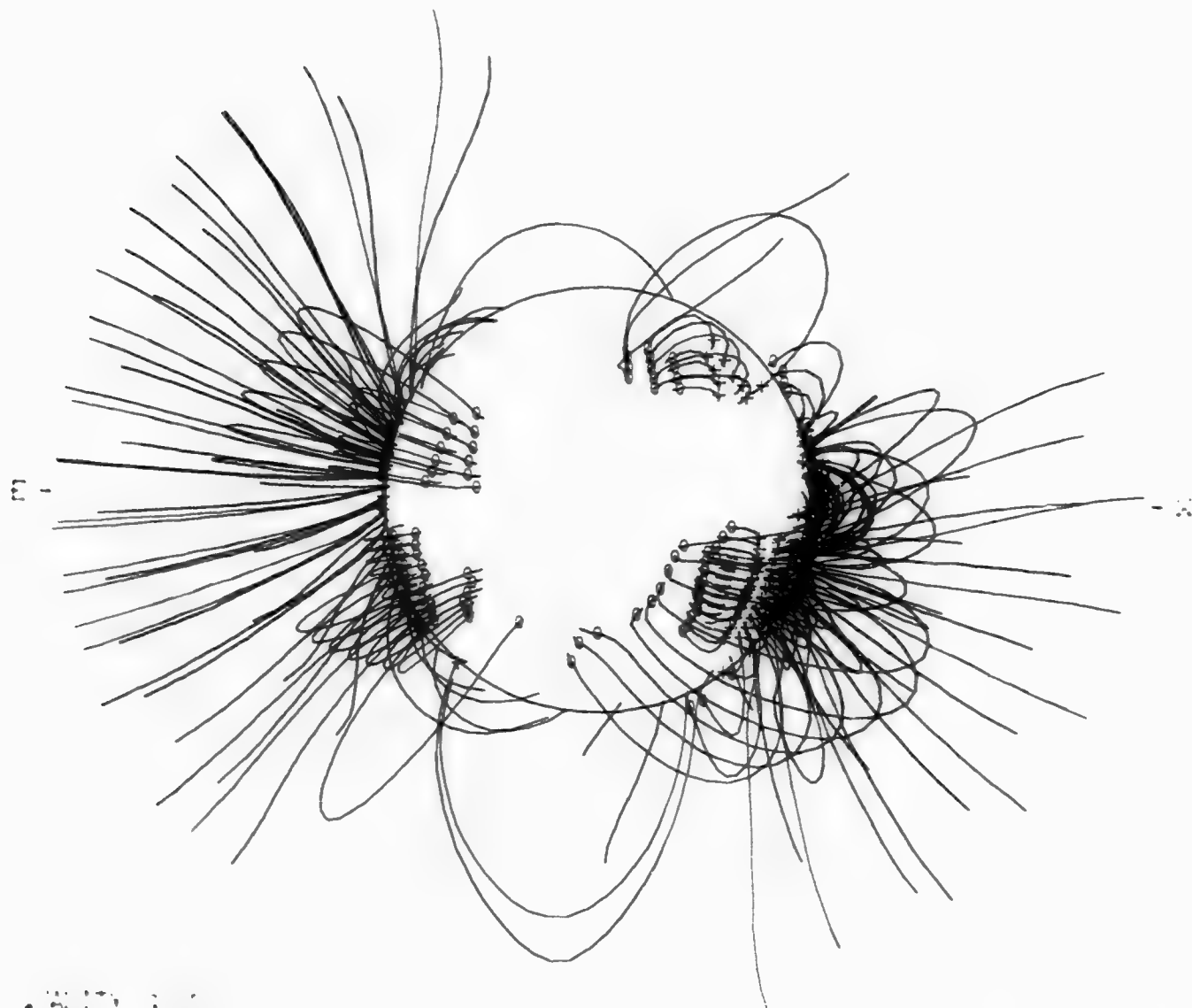
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE 100
HALE 100
HALE 100

HALE 100 100.000
15.4 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

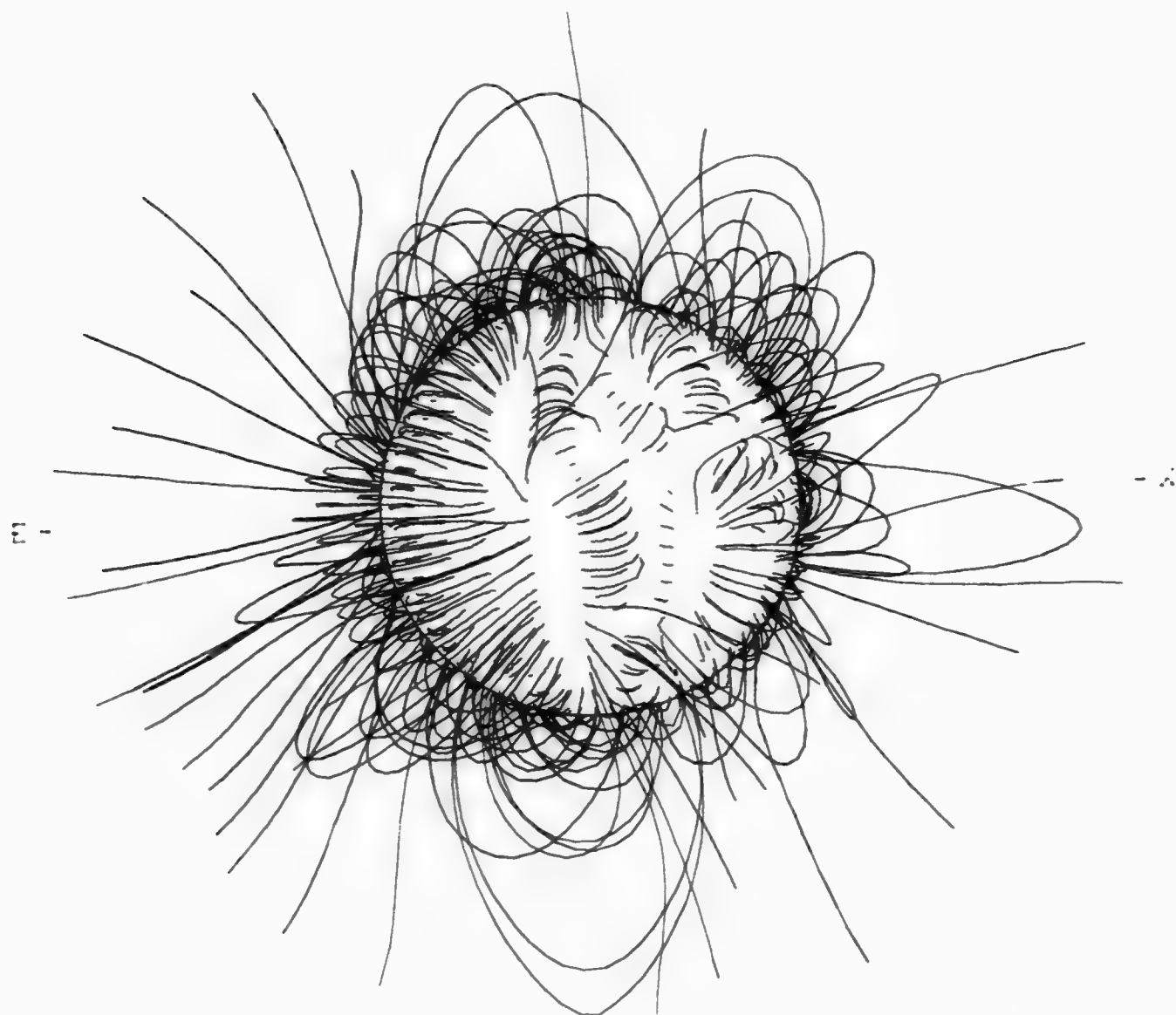


HALE 1958
 POLES DIRECT
 DATA AUGUST 1958

S

ROT. 1538 LONG. 500°
 25.4 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

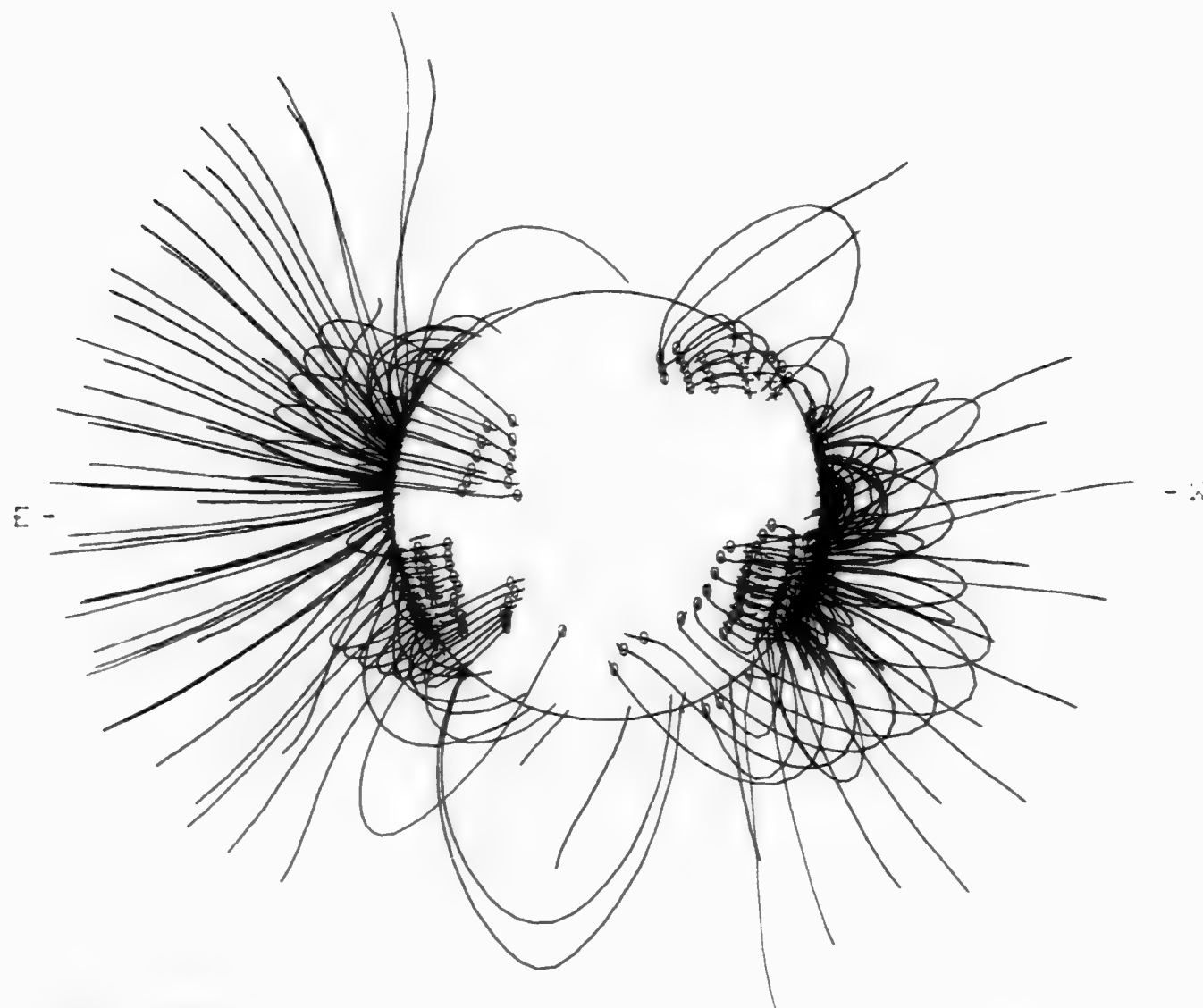


2. 1957-1958
 POLES DIRECT
 DATA APRIL 1958

S

2. 1958-1959
 DATA APR 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

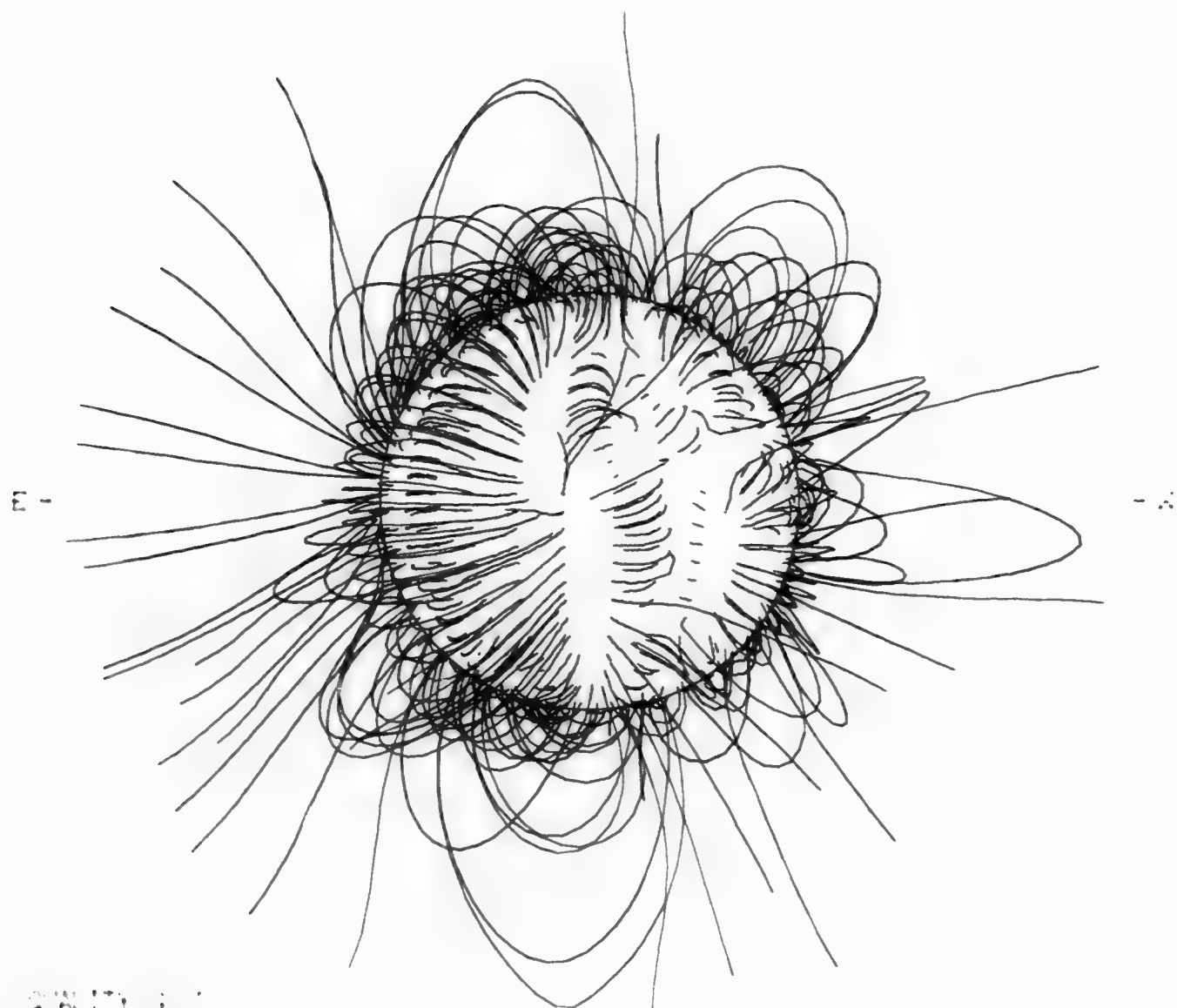


1. 10. 17. 1. 1. 1.
 1. 1. 1. 1. 1. 1.
 DATA WINDOW 1537.47

S

ROT. 1538 10.3. 2.4°
 25.2 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.11

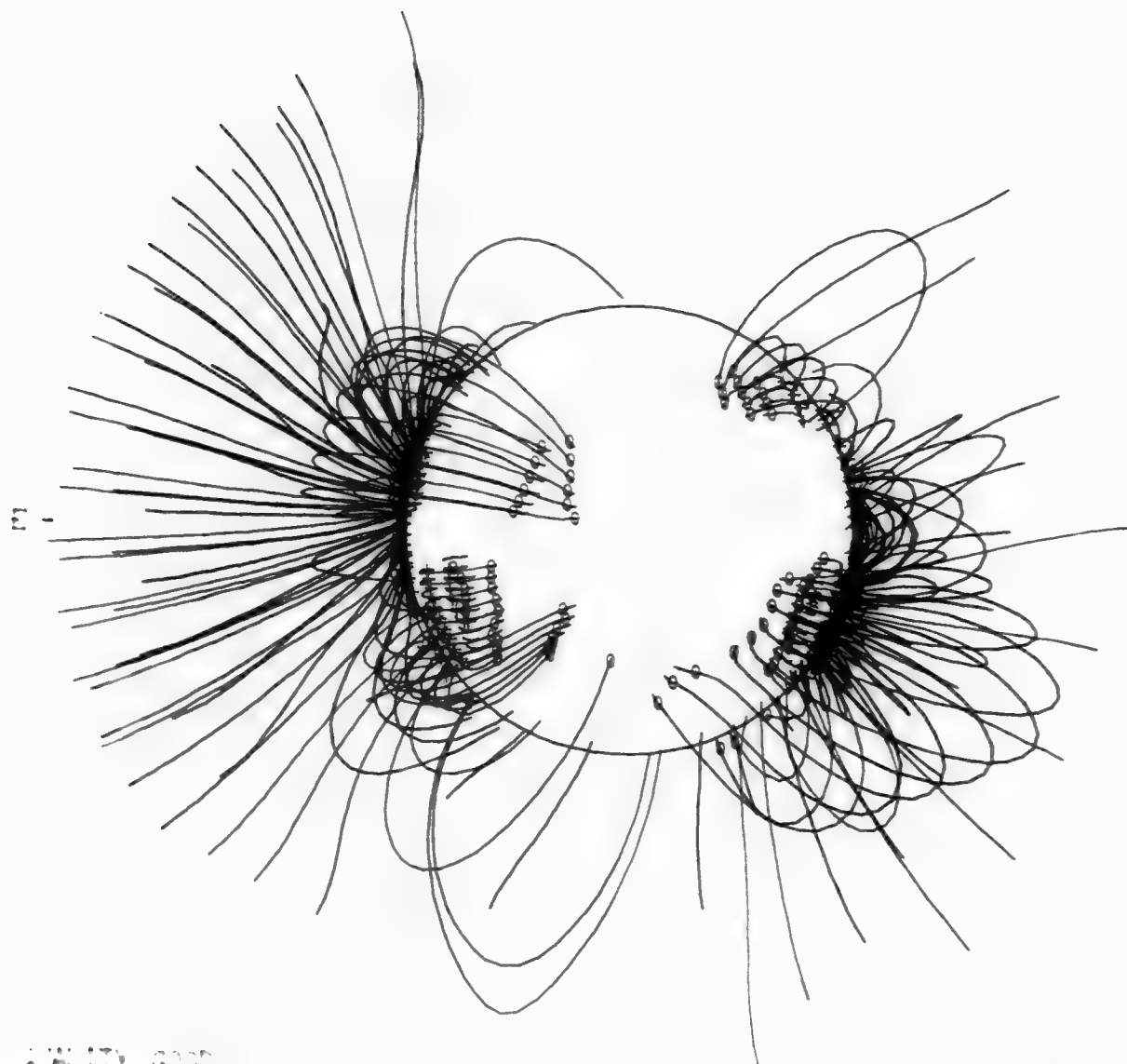
FILED DIRECT

DATA NUMBER 1537.47

R.T. 1536 1.11.1968

26.9 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

FILED DIRECT

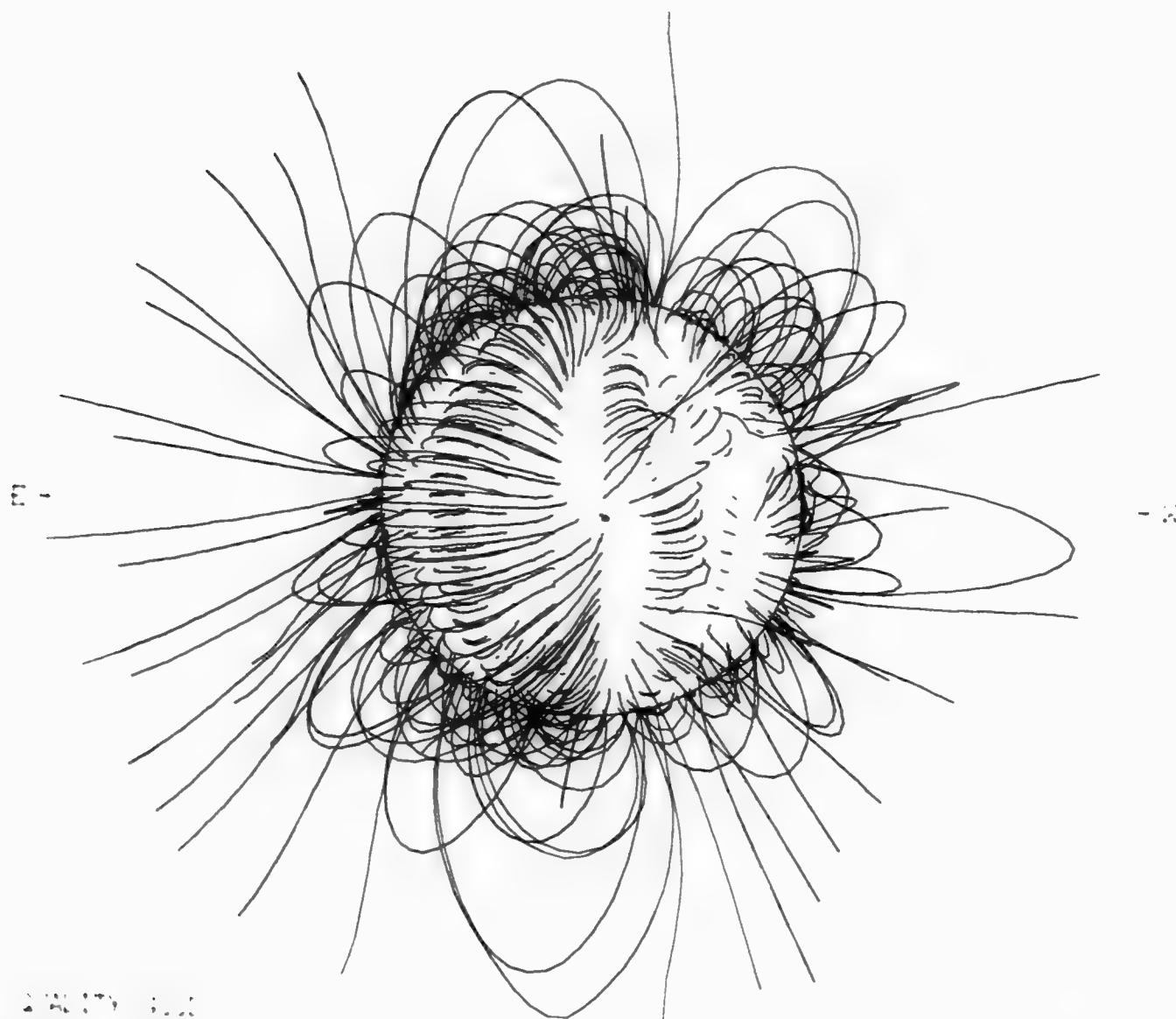
DATA WITHIN 1991.07

S

PLT. 1538 JUL. 24.0

26.9 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

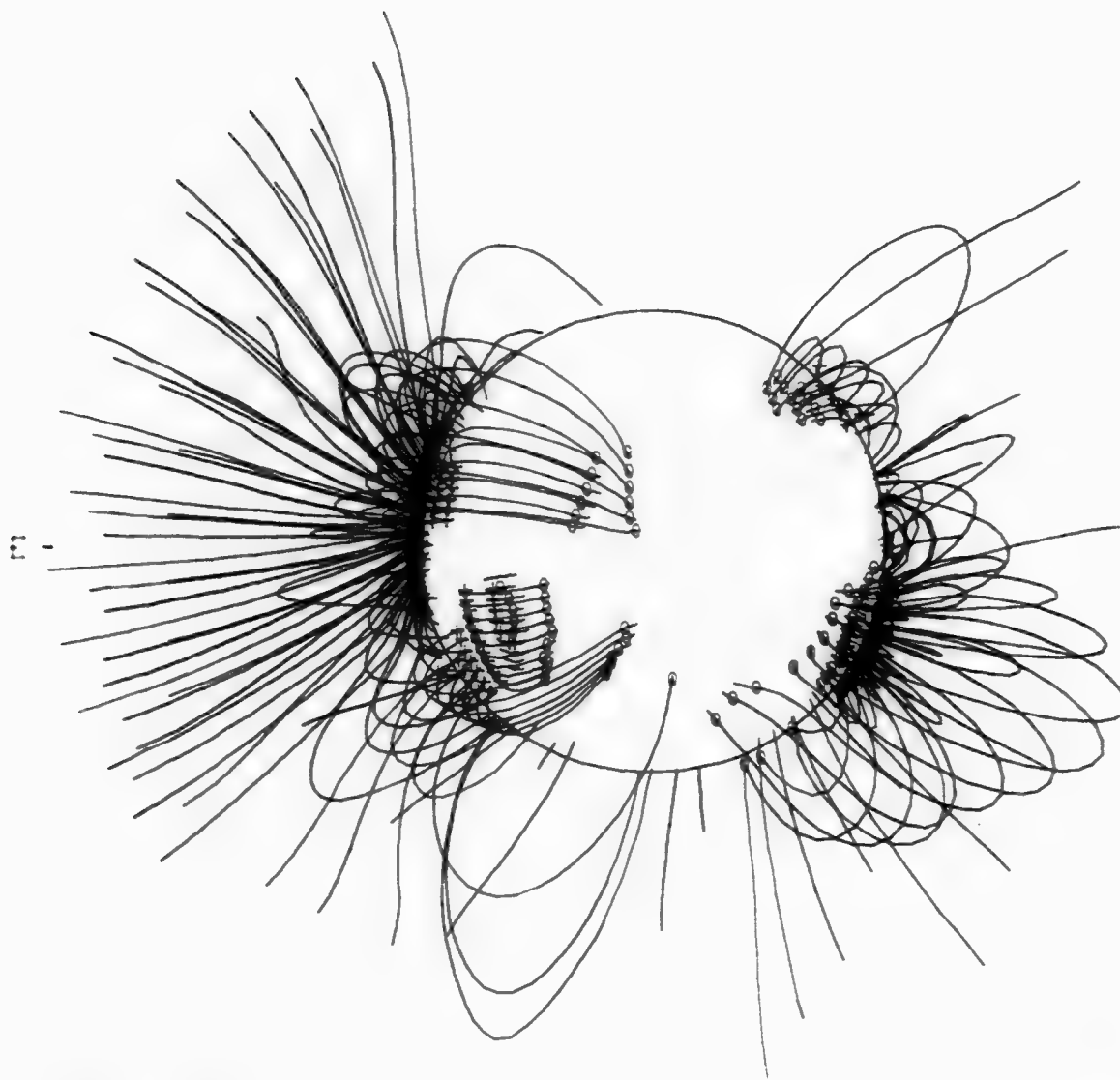


QUALITY 100
POLES DIRECT
DATA AND/OR 100000

S

ROT. 1538 2013. 070°
2017 2017 1996

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100

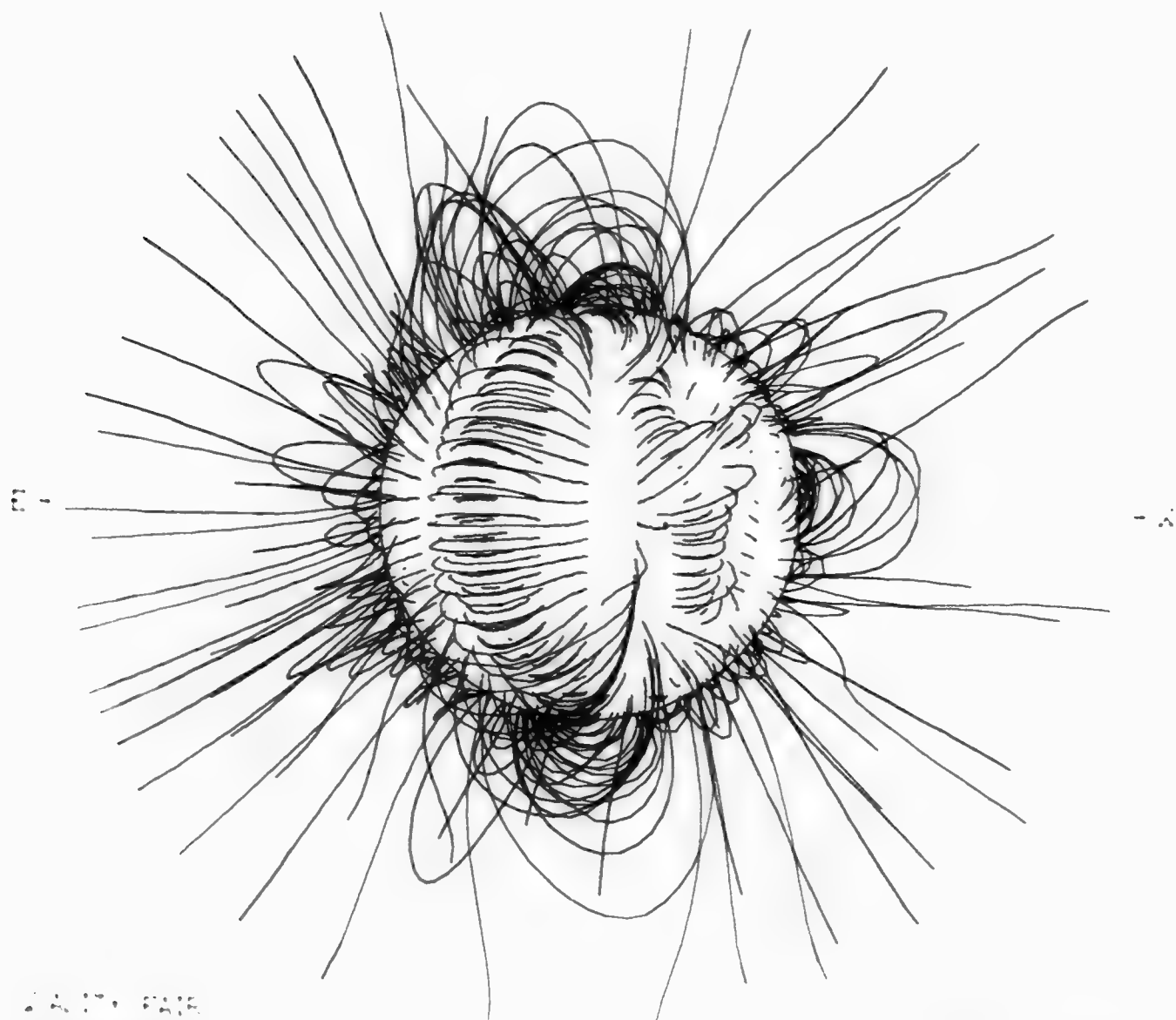
FILED DIRECT

DATA WIND IN 1537.01

307.1538 2013.270

27.7 AUG 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY

HALE OBSERVATORY

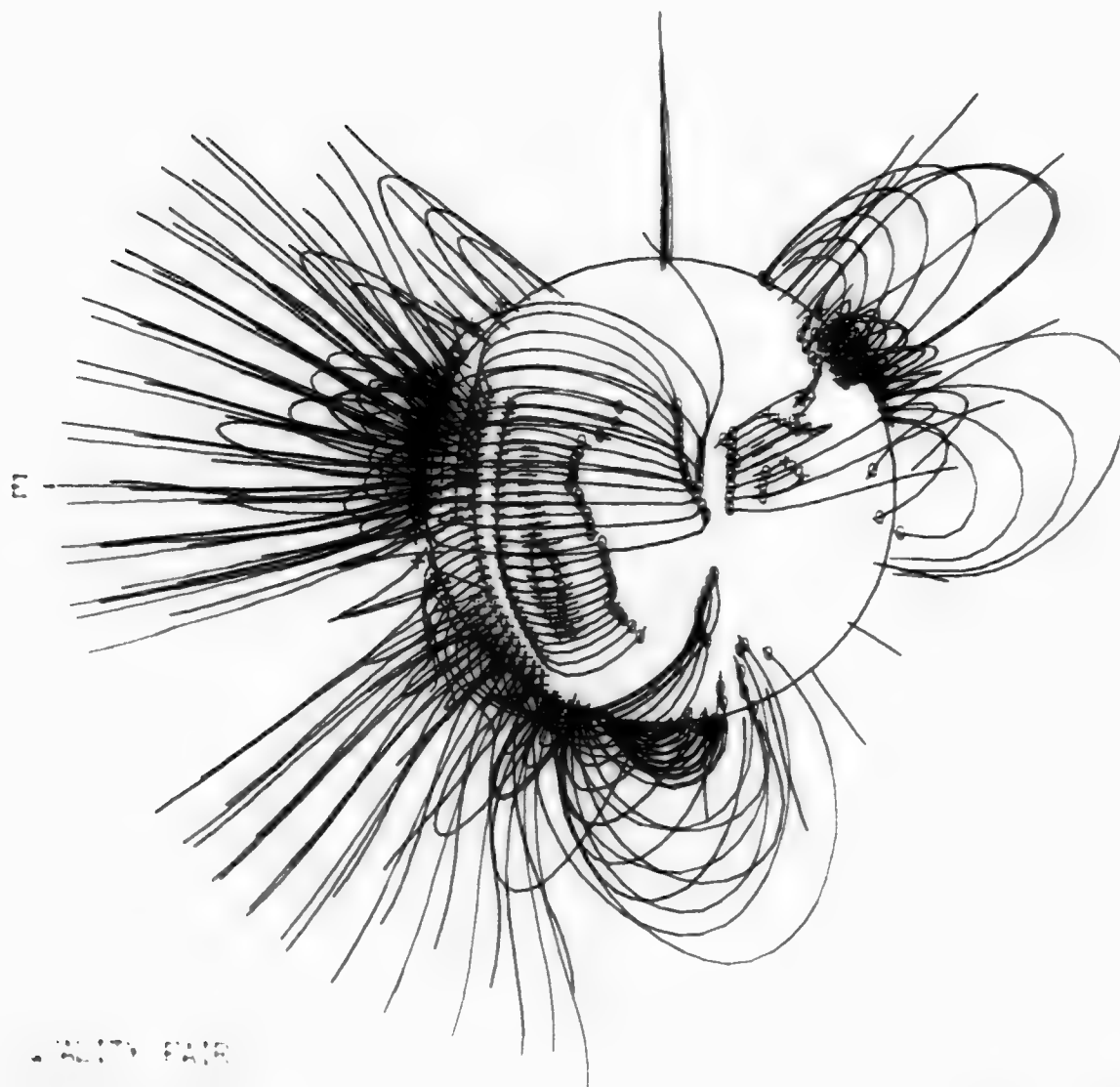
HALE OBSERVATORY

5

HALE OBSERVATORY

HALE OBSERVATORY

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

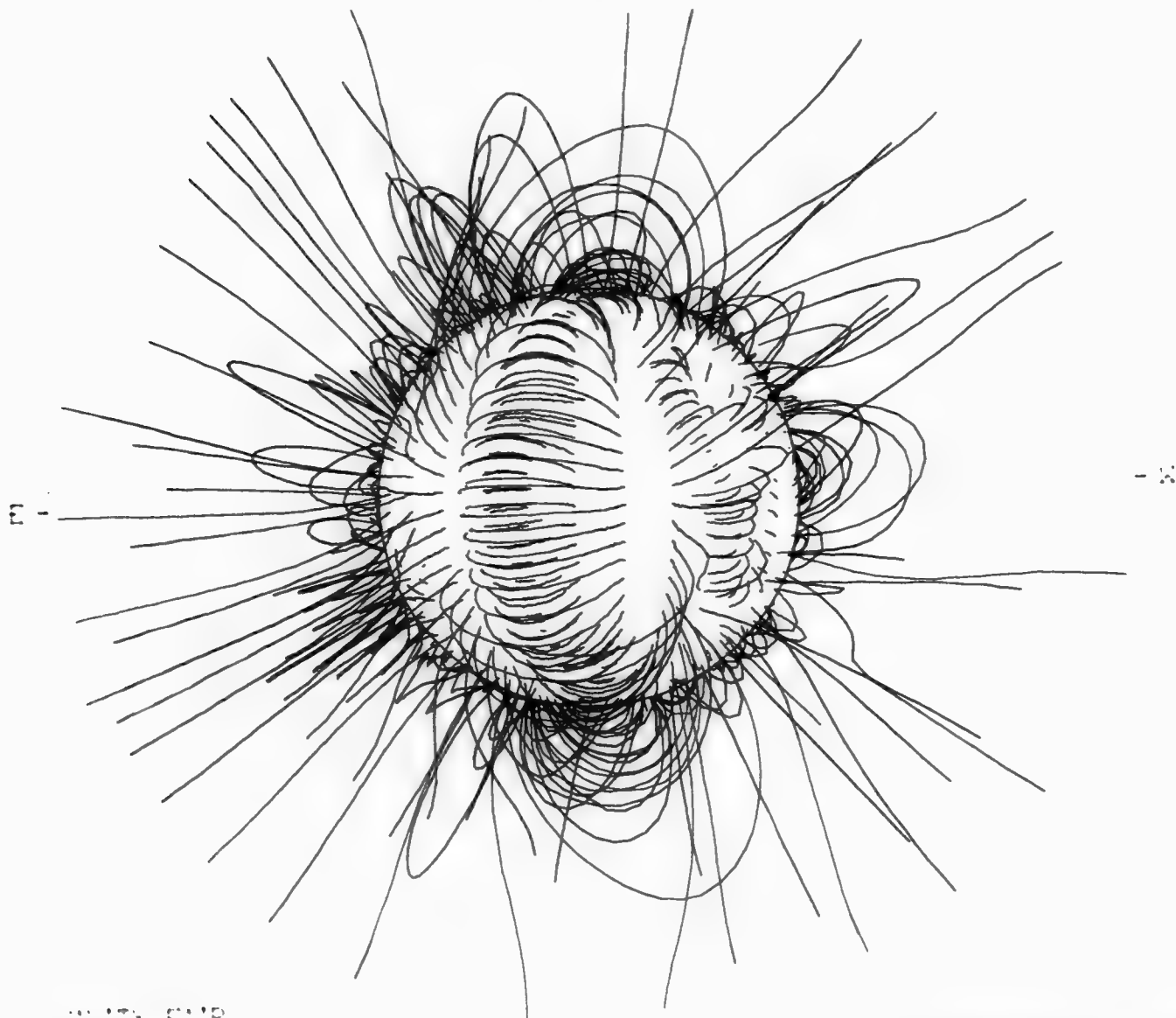


QUALITY PAIR
 PAGES DIRECT
 DATA ANALYSIS 1958.00

S

517.1535 1.000.000
 28.4 1.00 1.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

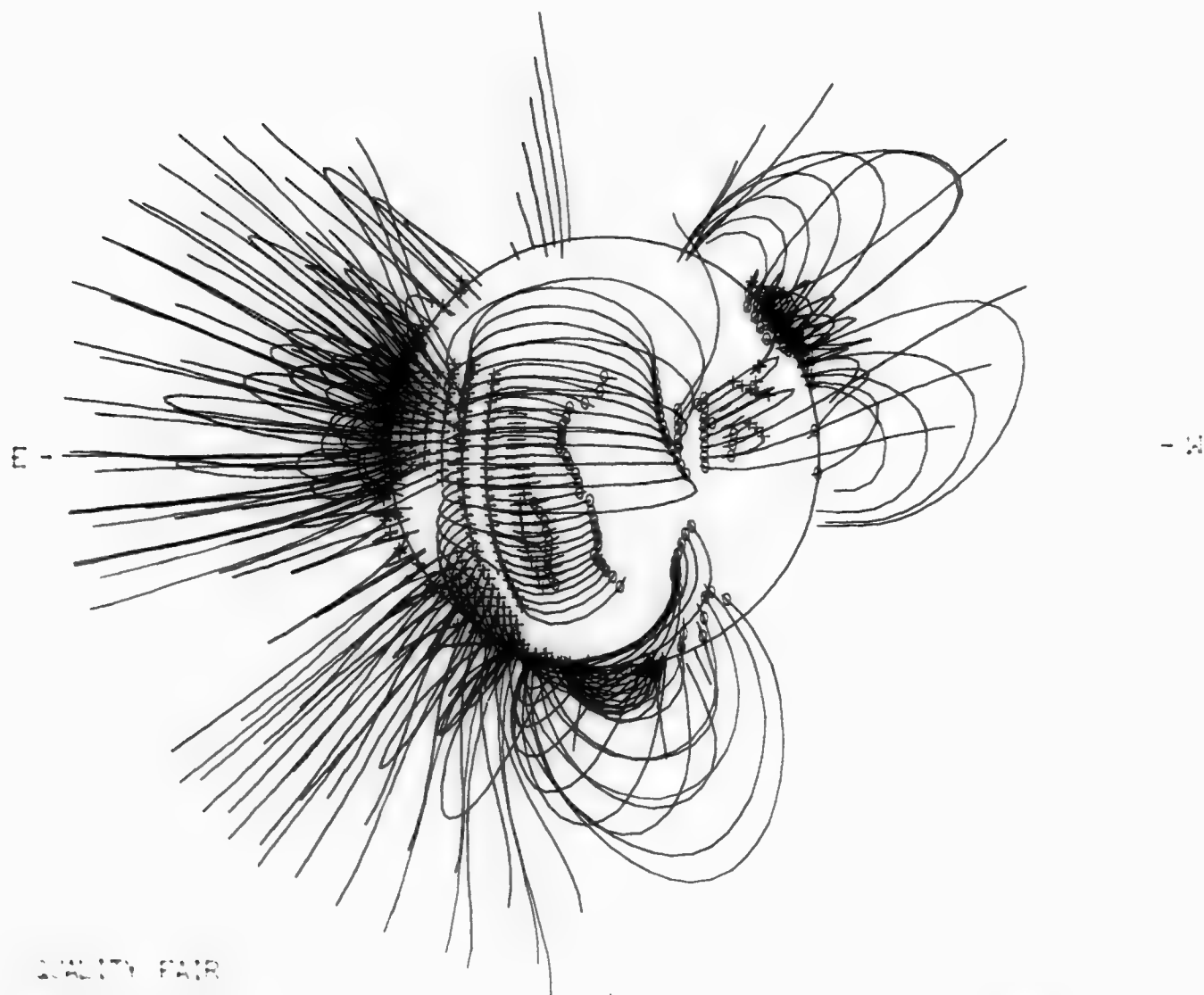


QUALITY FAIR
FILES DIRECT
DATA AUG 1958.00

S

R.T. 1538 210.250°
29.2 AUG 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

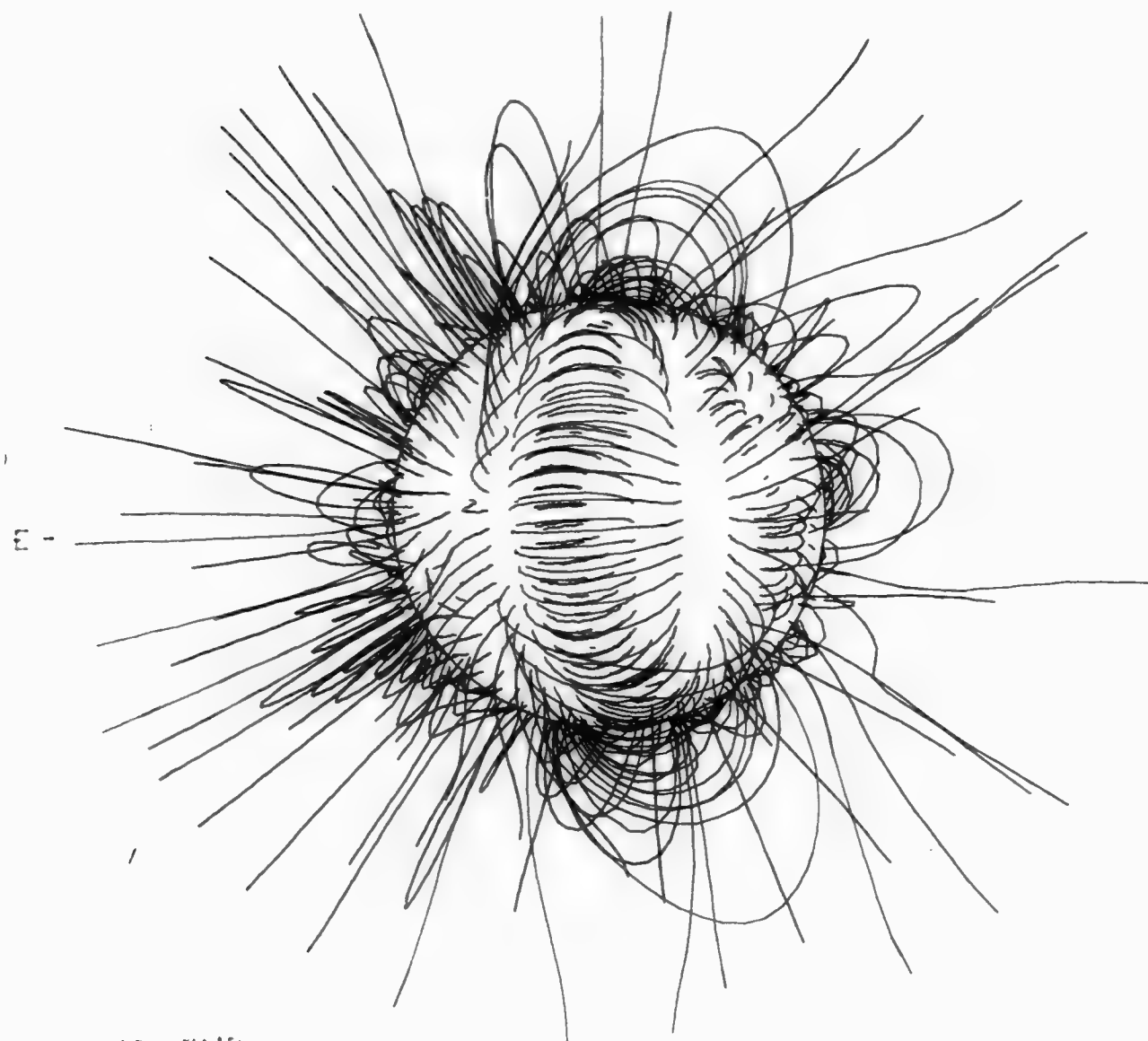
DATA WINDOW 1538.00

S

ROT. 1538 LONG. 250°

29.2 AUG 1968

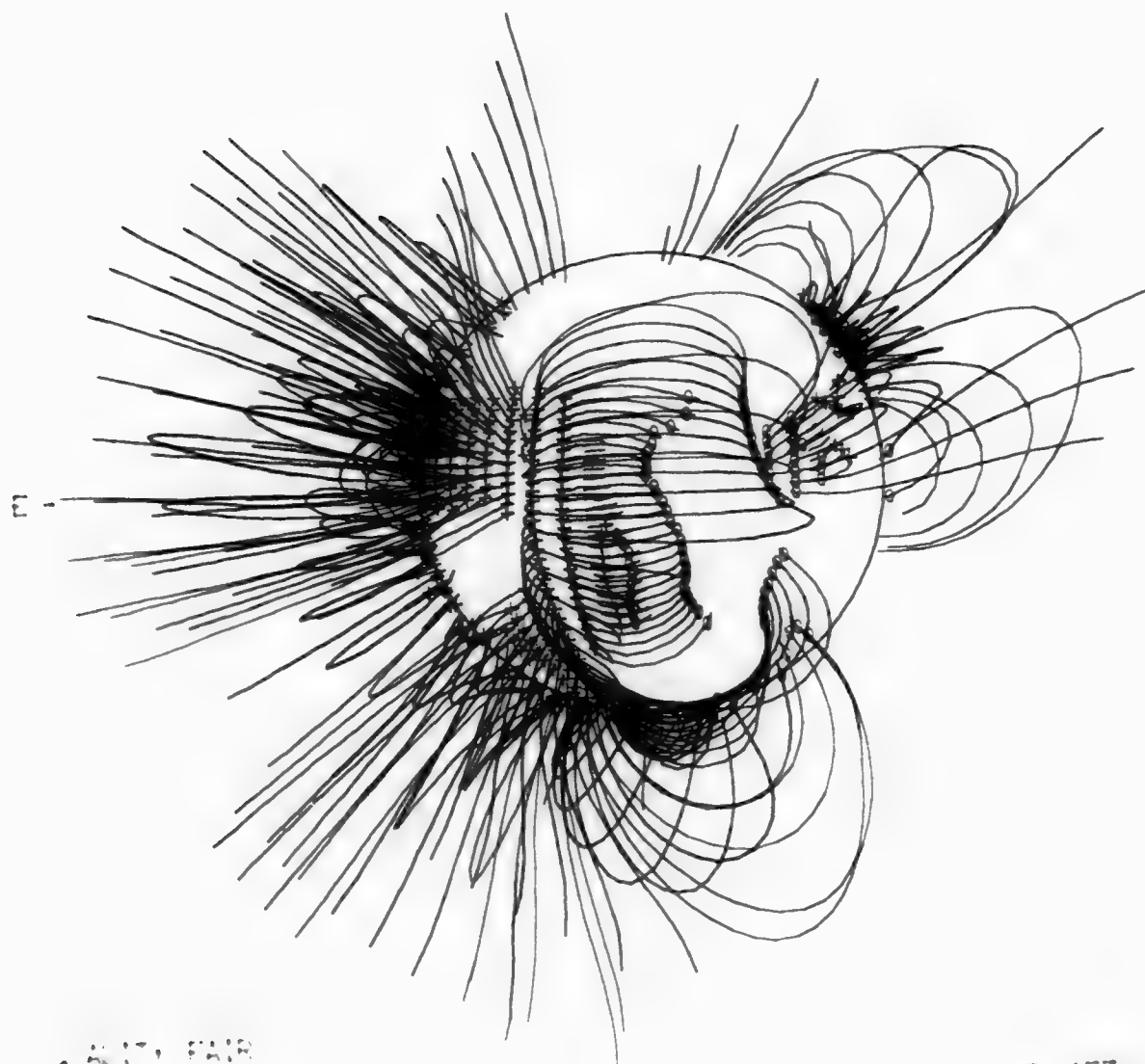
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FIELD DIRECT
DATA W/NO. 1538.00

ROT. 1538 LONG. 241°
29.9 AUG 1968

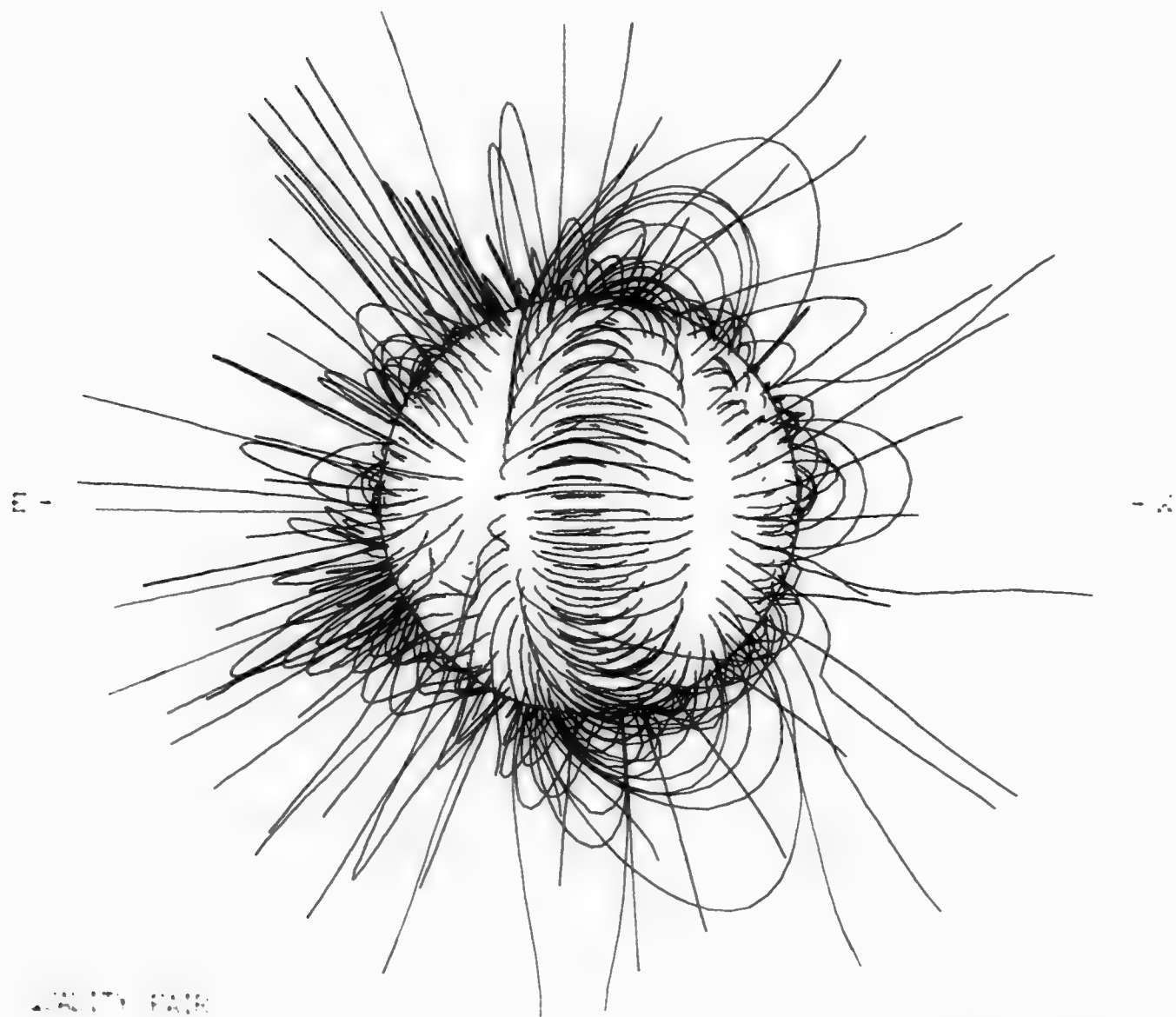
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALTY. FAIR
POLES DIRECT
DATA AND IN 1538.00

1538.00 1538.00
1538.00 1538.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FACT

FILES DIRECT

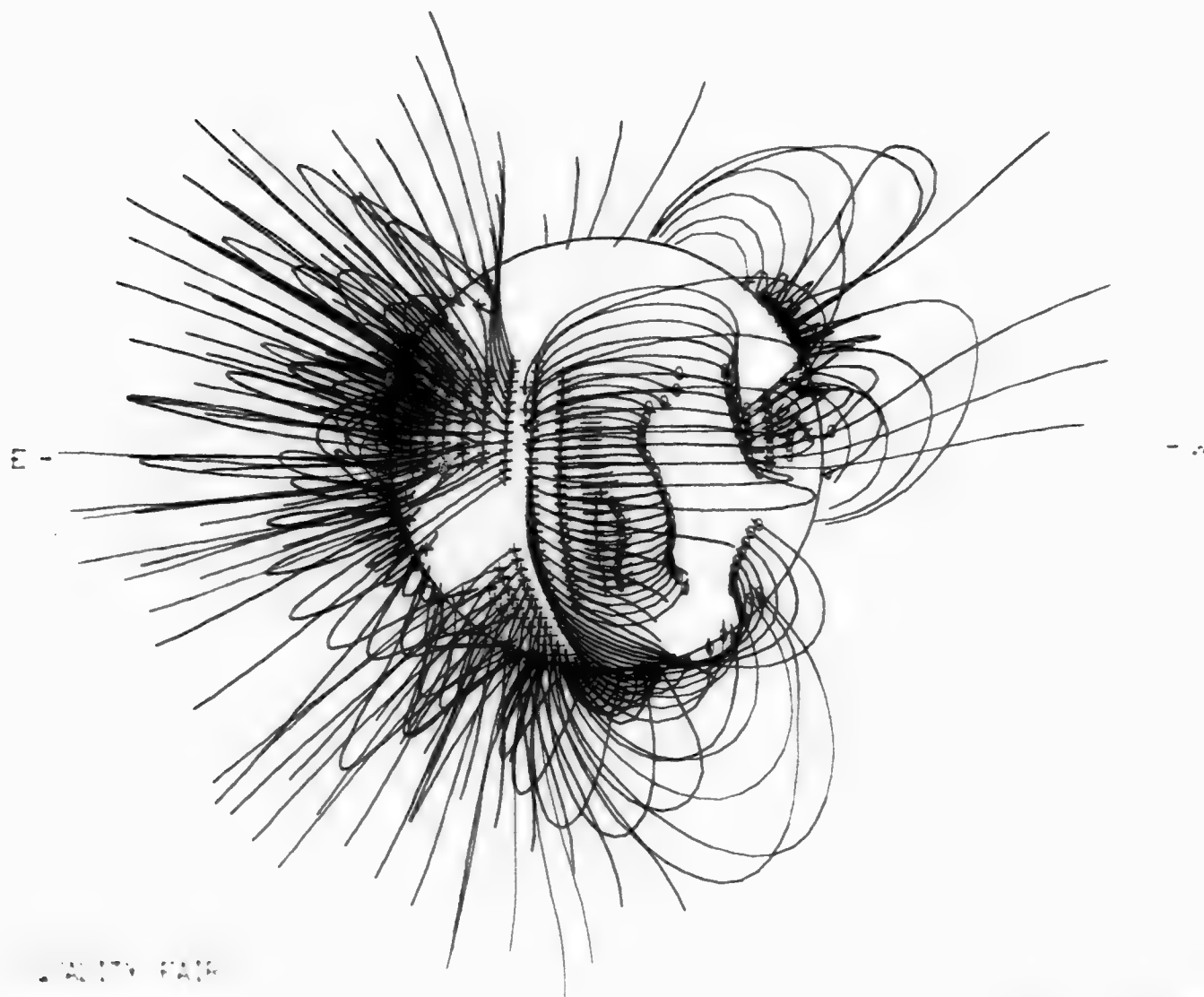
DATA NUMBER 1558.00

1
S

RUT. 1558 1000.00

30.0 1000

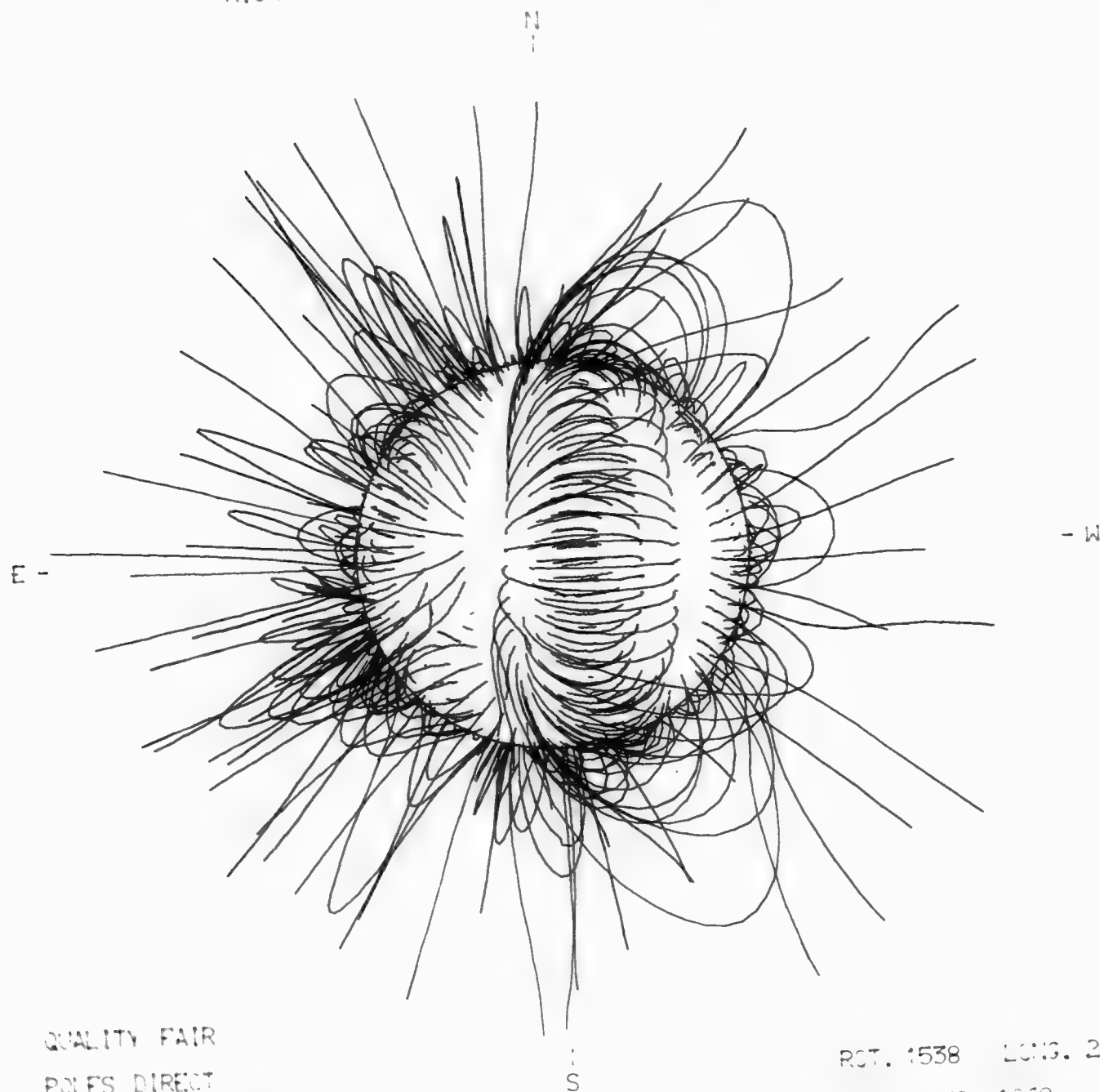
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA WIDE IN 1538.00

REF. 1538 1111.121
 31.7 111 121

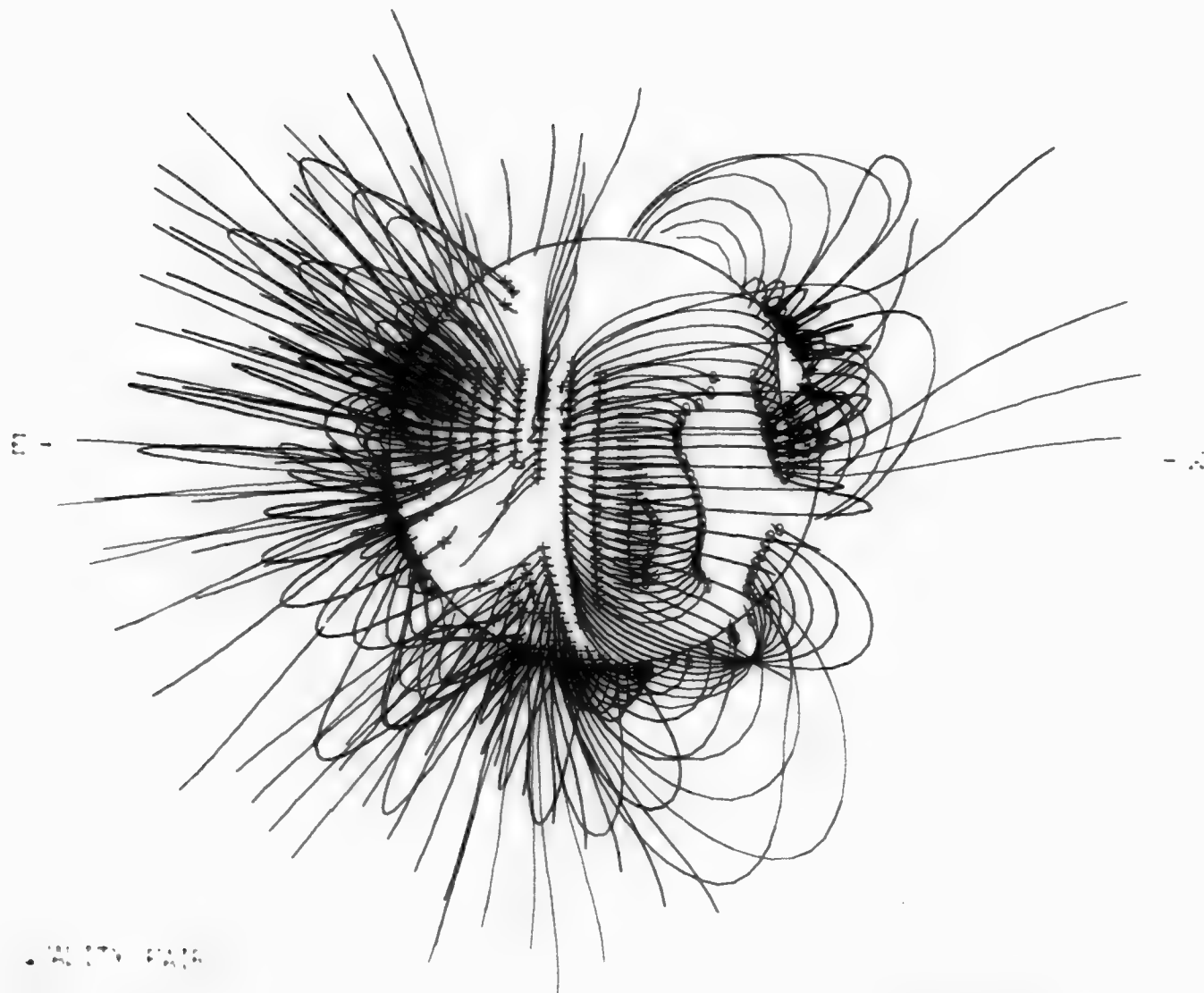
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1538.00

ROT. 1538 LONG. 220°
31.5 AUG 1968

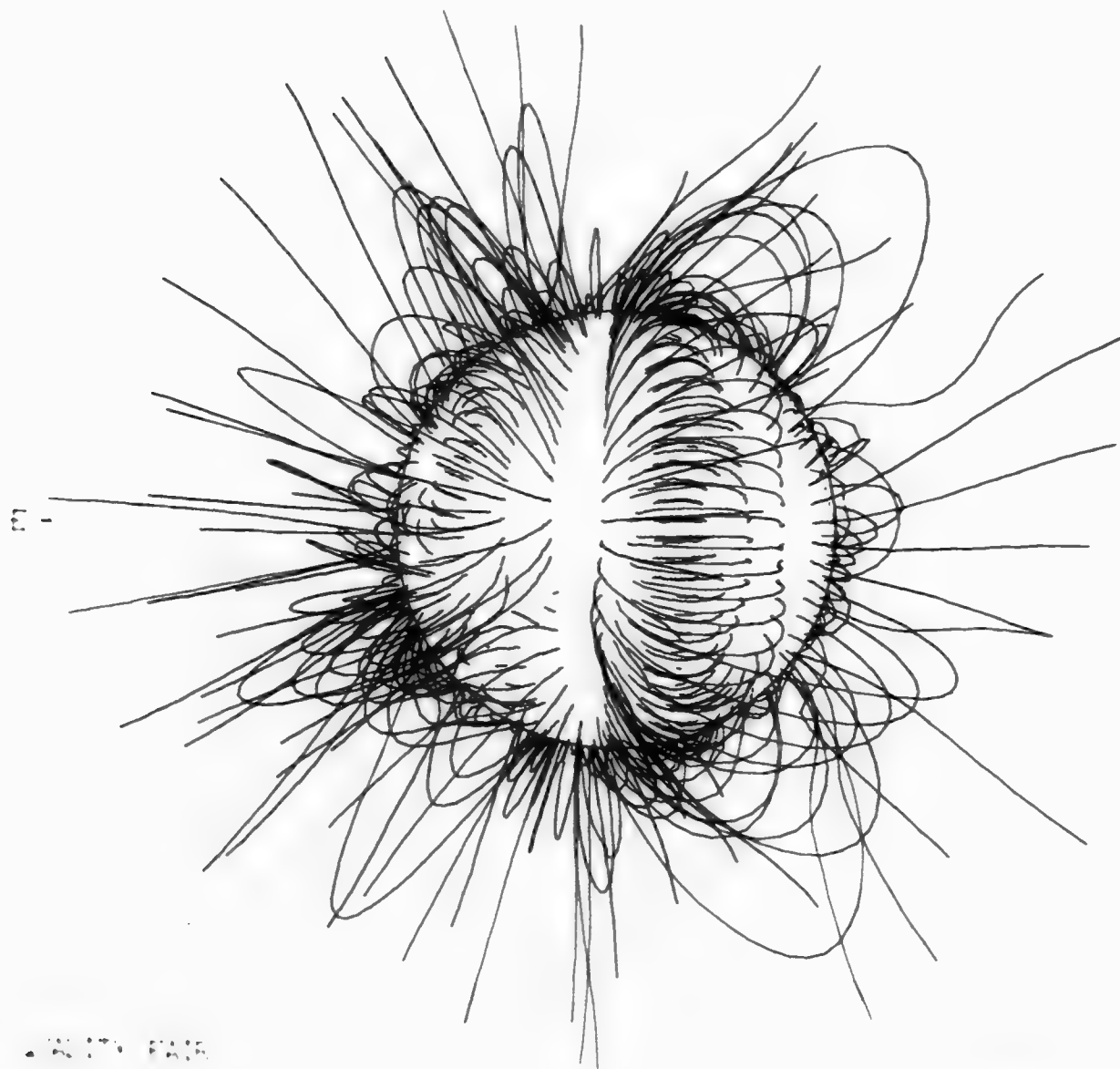
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY DATA
FILES DIRECT
DATA AND LA 1994.00

8.7. 1994 1.1.1. 1.1.1.
3.5 1.1.1. 1.1.1.

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY DATA

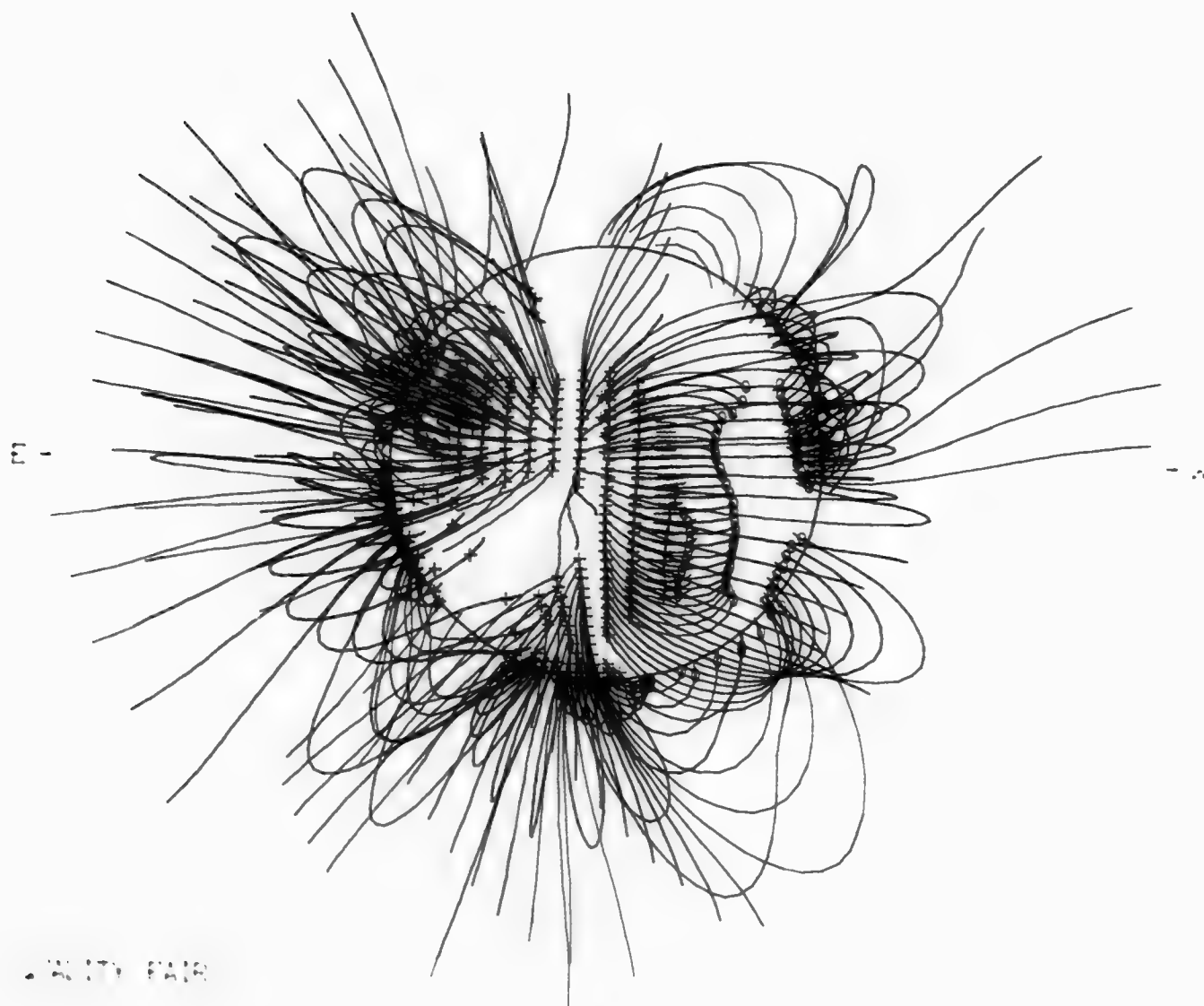
FILES DIRECT

DATA WINDOW 1958.00

FILE 1958 1958.00

FILE 1958 1958.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

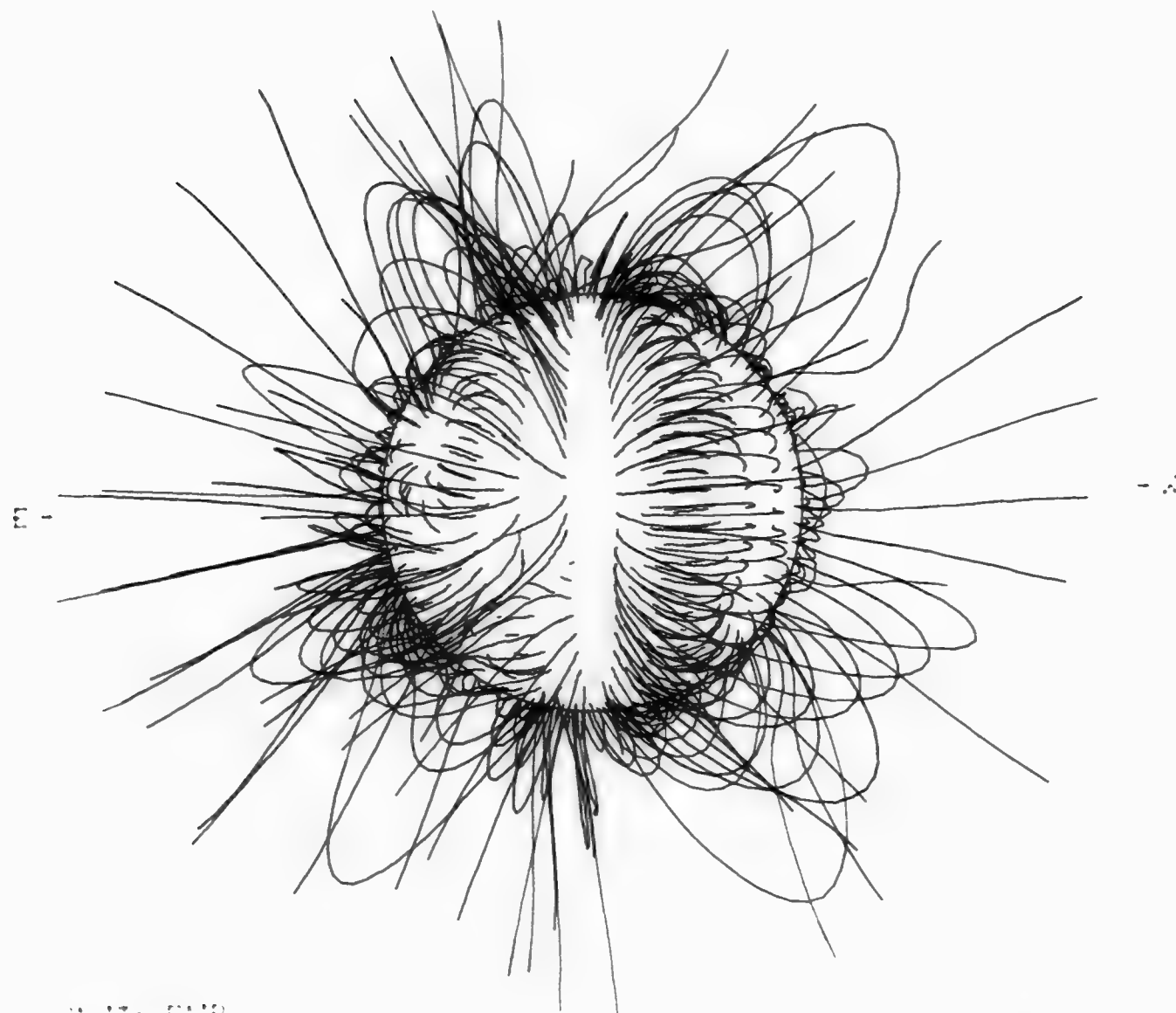
POLES DIRECT

DATA ANGLE 1538.00

ROT. 1538 LONG. 211°

1.2 SEP 1968

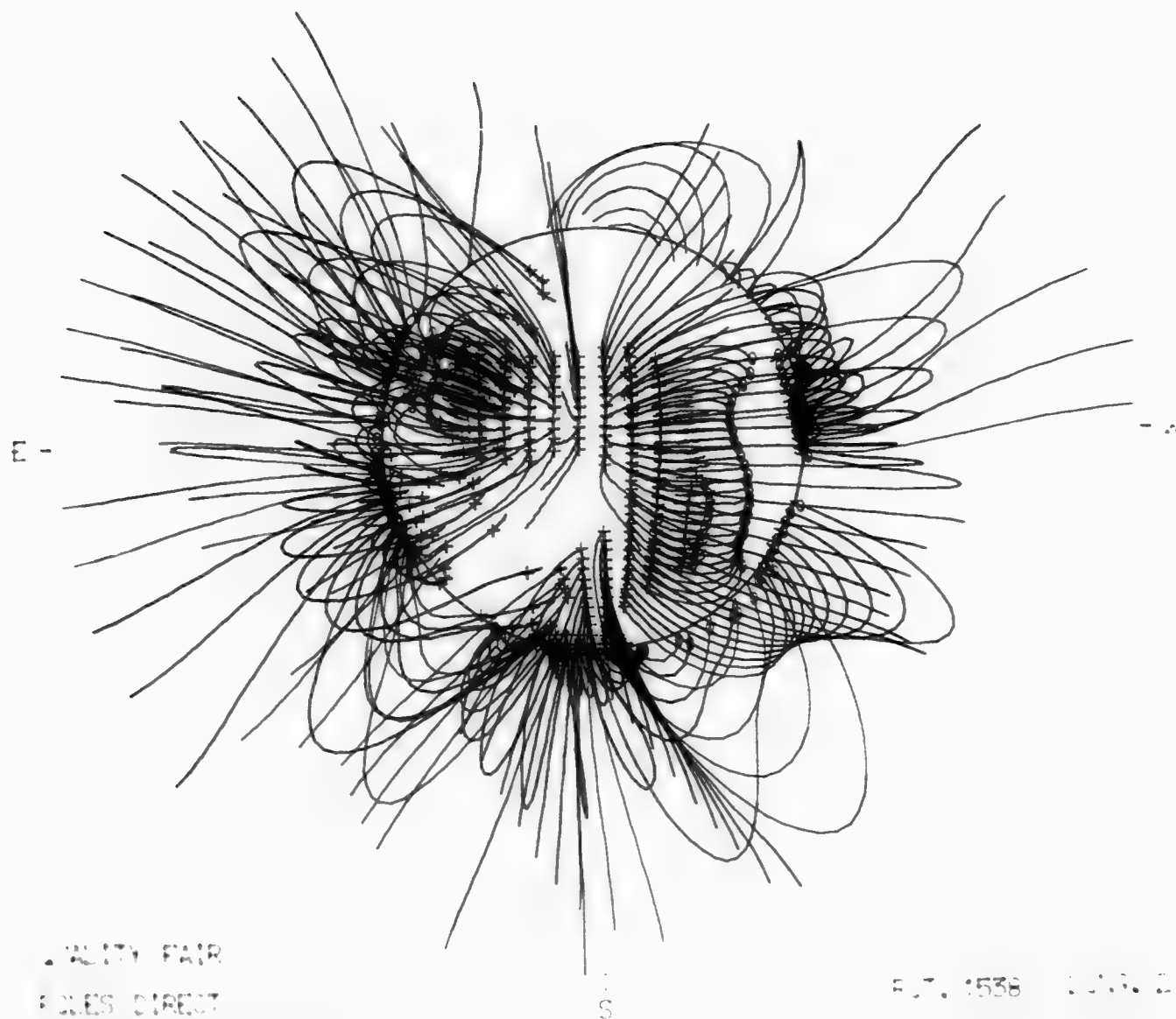
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FILES DIRECT
 DATA AVAILABLE 1958.00

8.7. 1958 1.1. 1968
 2.0 SEP 1968

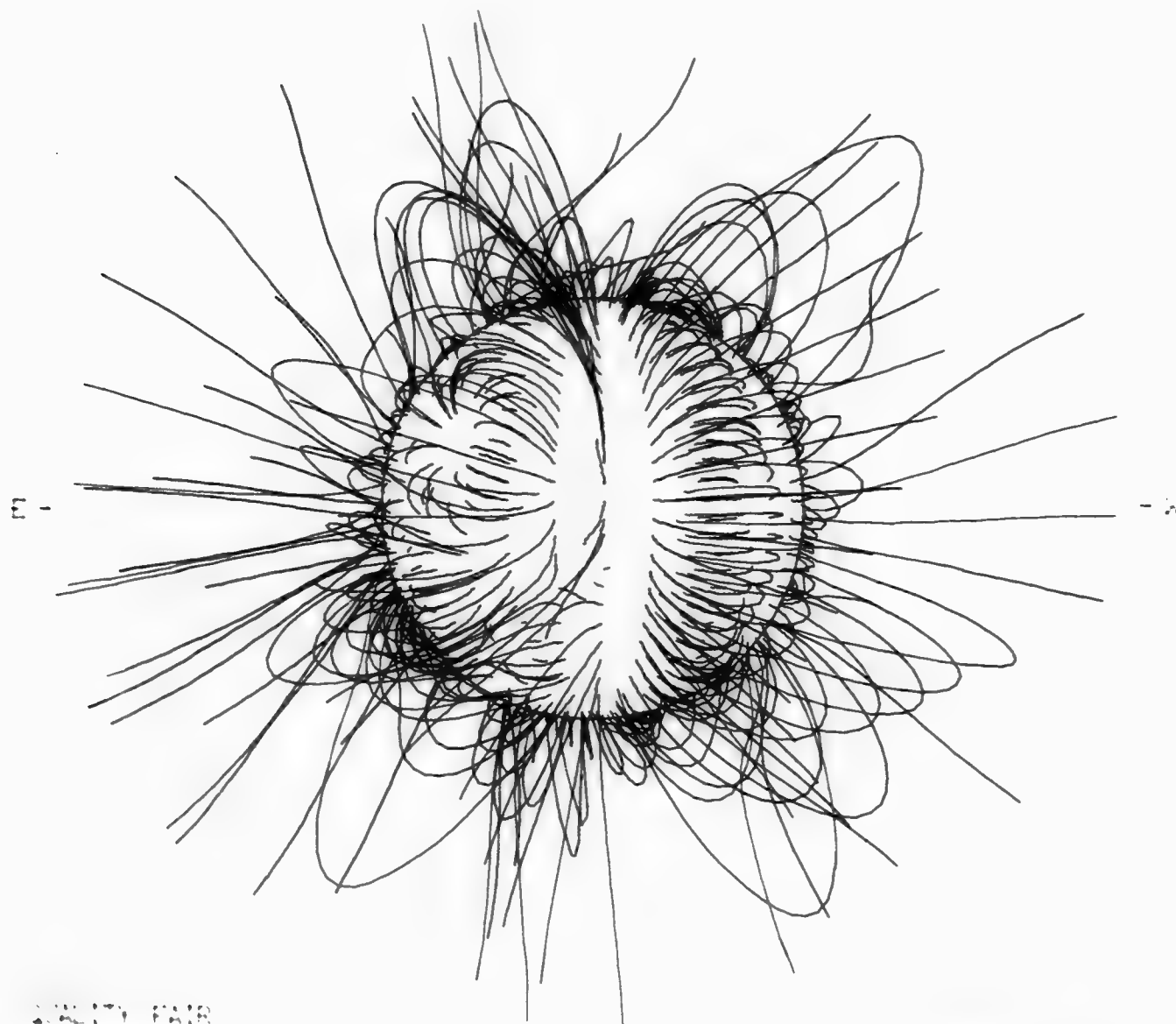
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
FILES DIRECT
DATA WINDOW 1538.00

8.7. 1538 1.11. 200
2.0 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

DATA WINDOW 1538.00

S

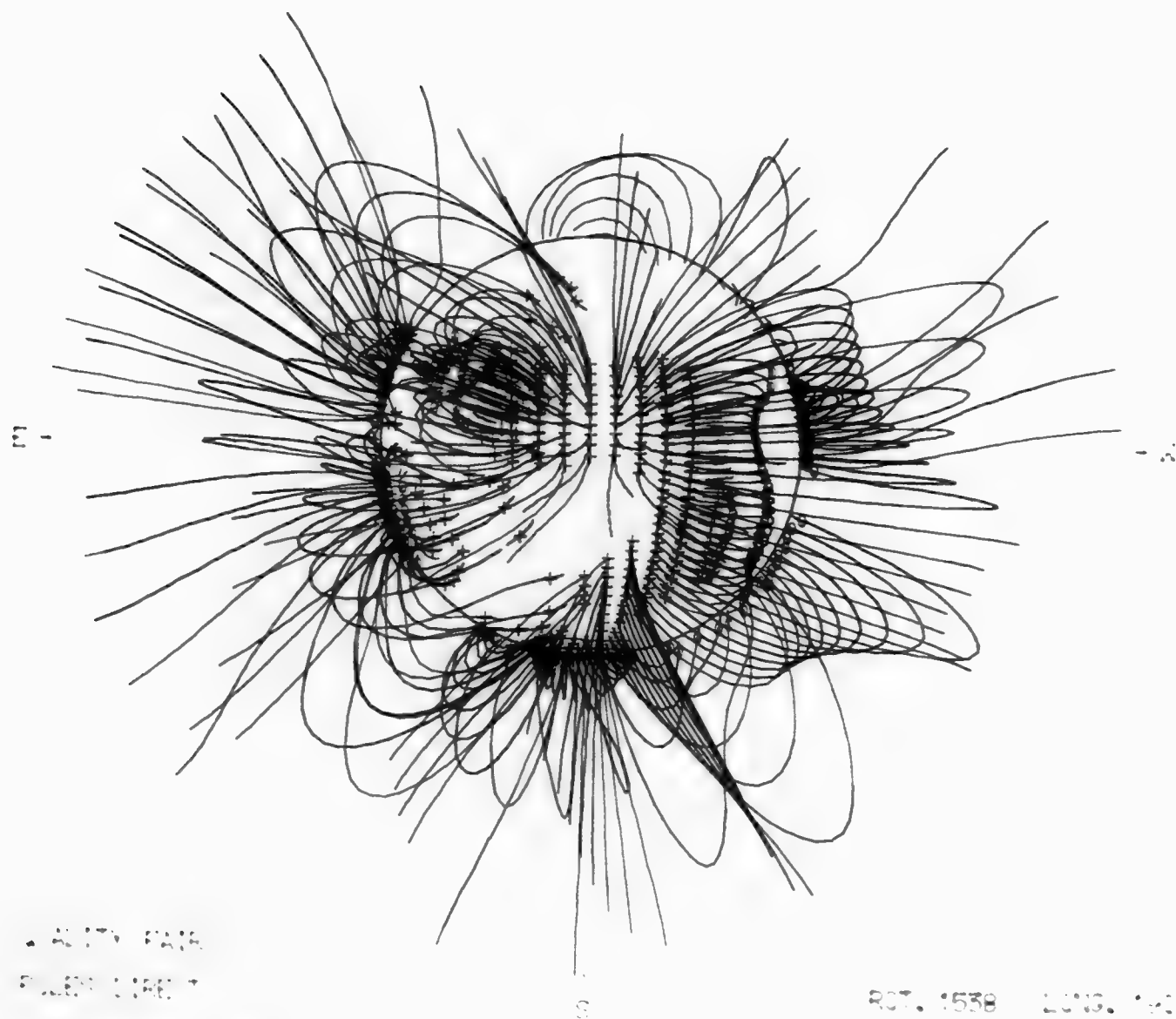
RJT. 1538

LONG. 140°

2.7 SEP

1966

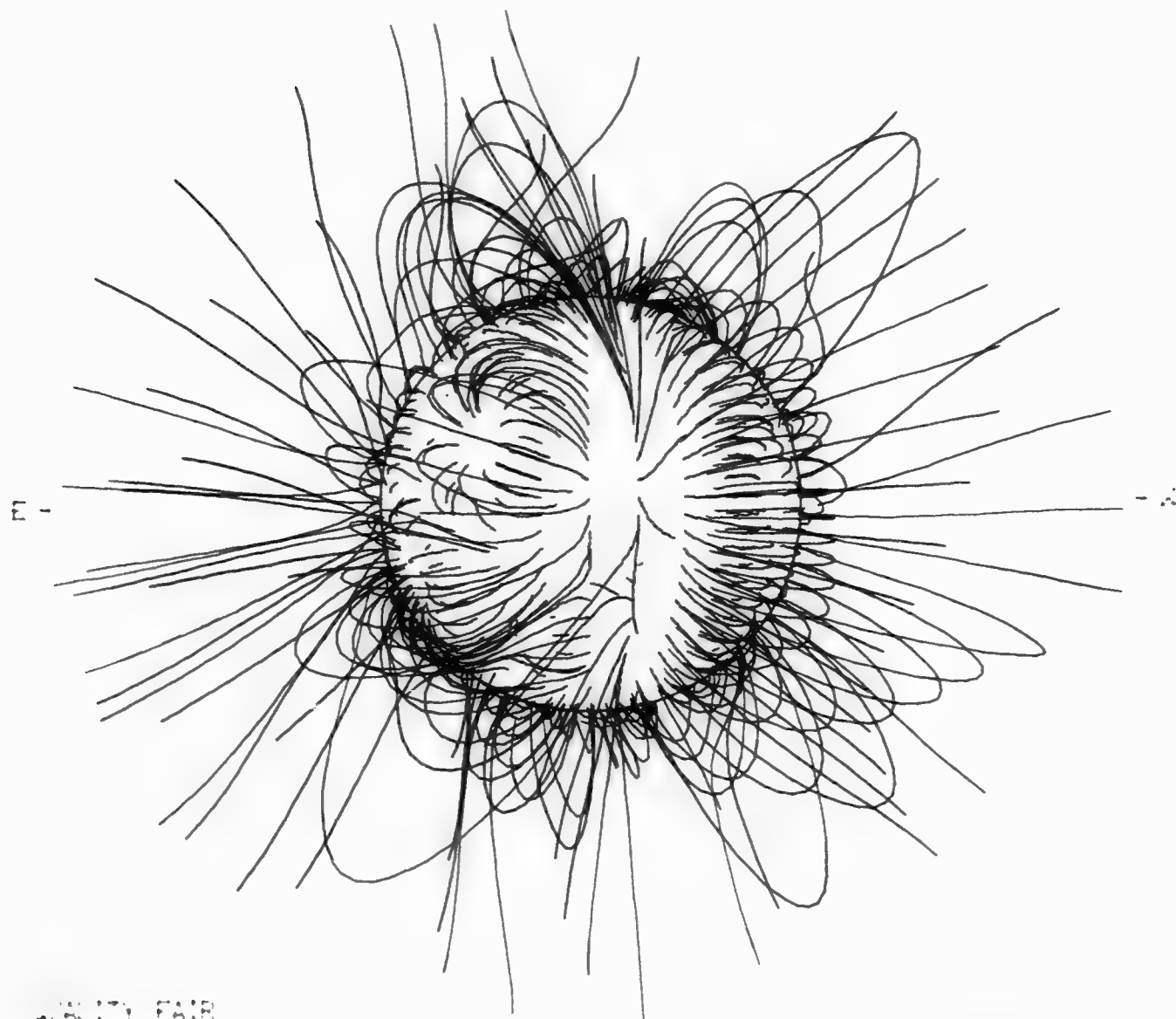
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY DATA
 FILED LINE +
 DATA WINDOW 1538.00

ROT. 1538 LONG. 141°
 2.7 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

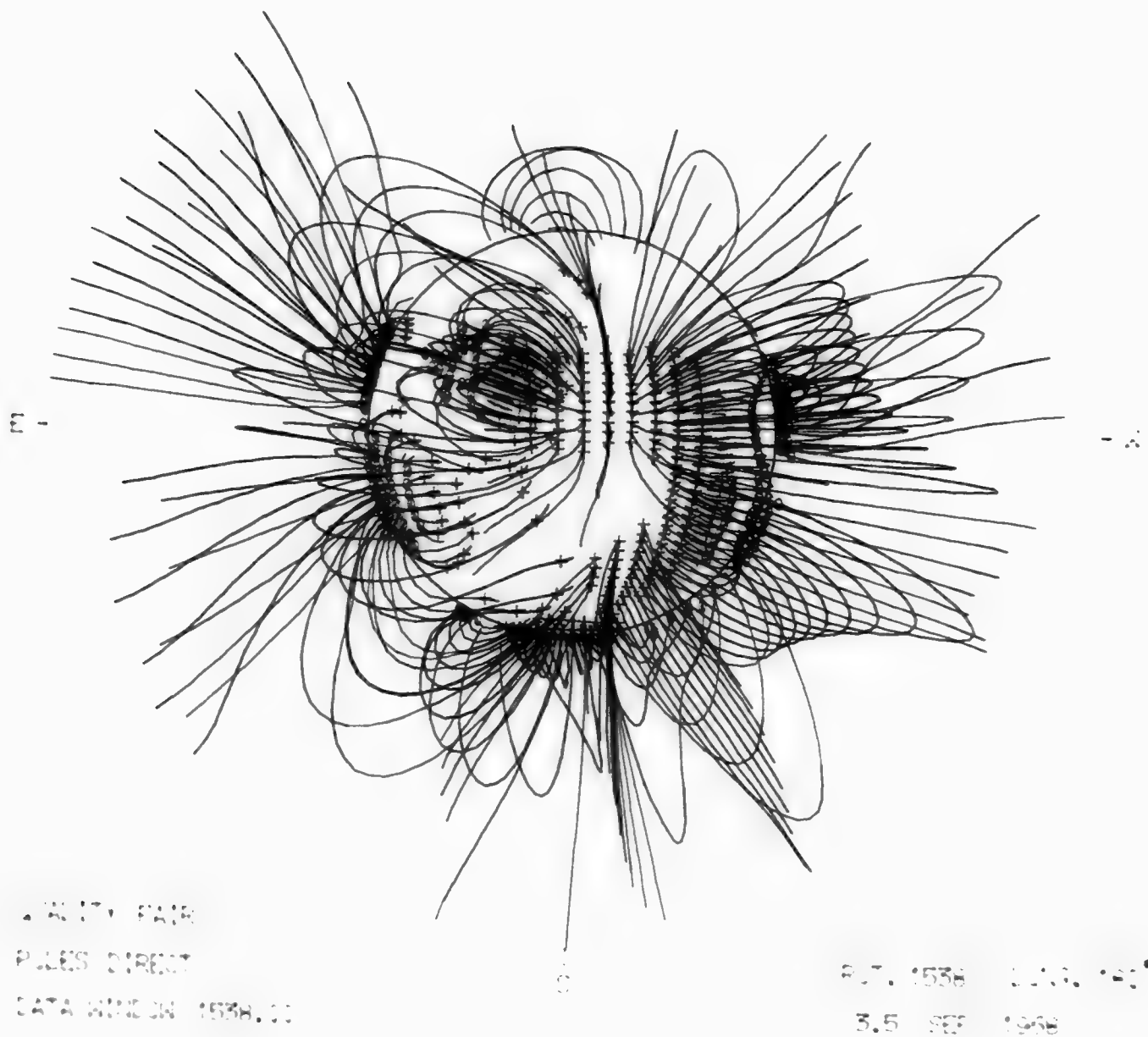
DATA AUG 24 '538.00

S

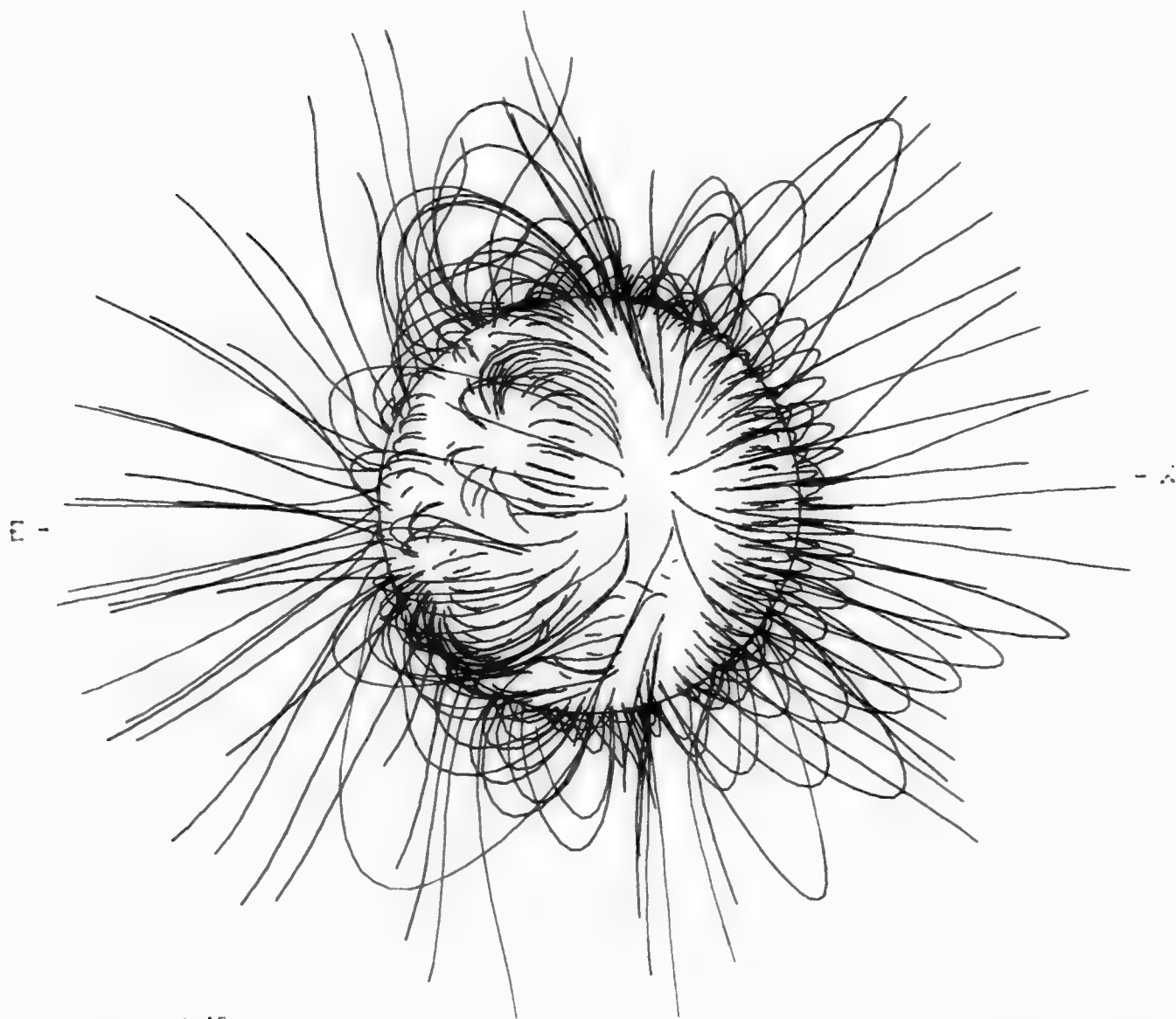
8.7. '538 20.3. '80

3.5 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

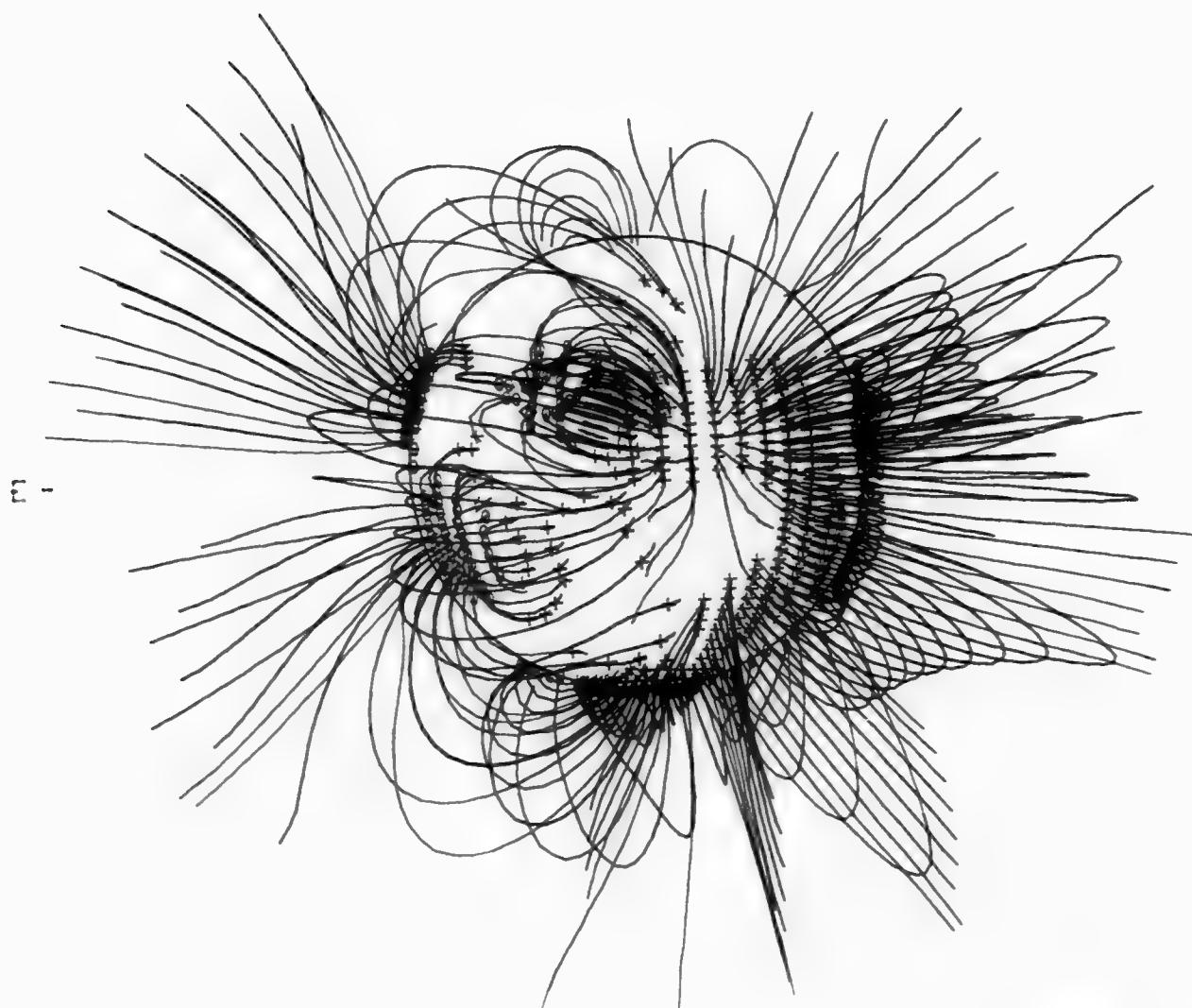


ALITY PAIR
 FULLY DIRECT
 DATA WITH IN 1538.00

2.5. 1538 1.1. 177
 4.3 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



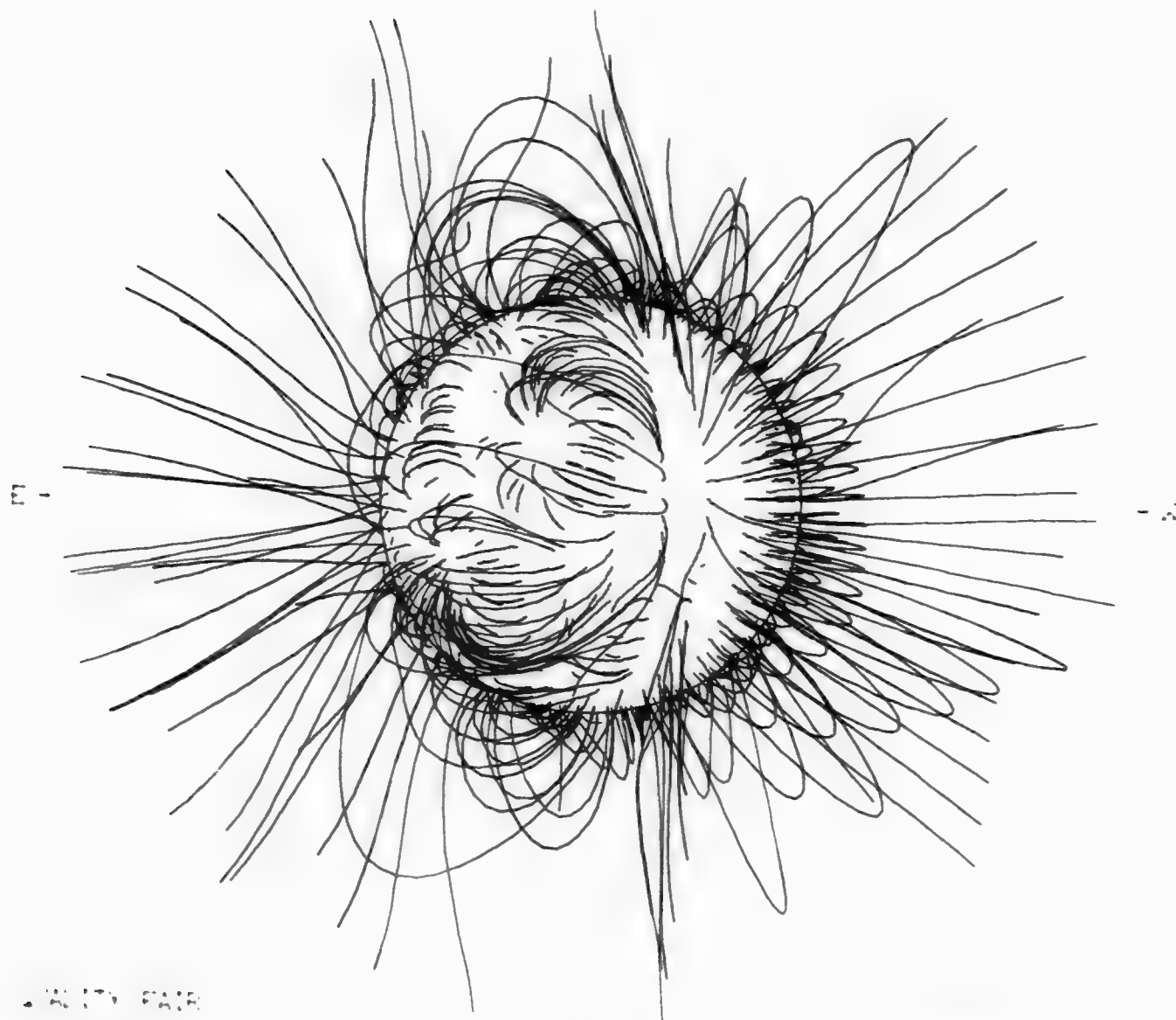
E -

QUALITY FAIR
FILES DIRECT
DATA 1934.00

S

1934.00 1934.00
1934.00 1934.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

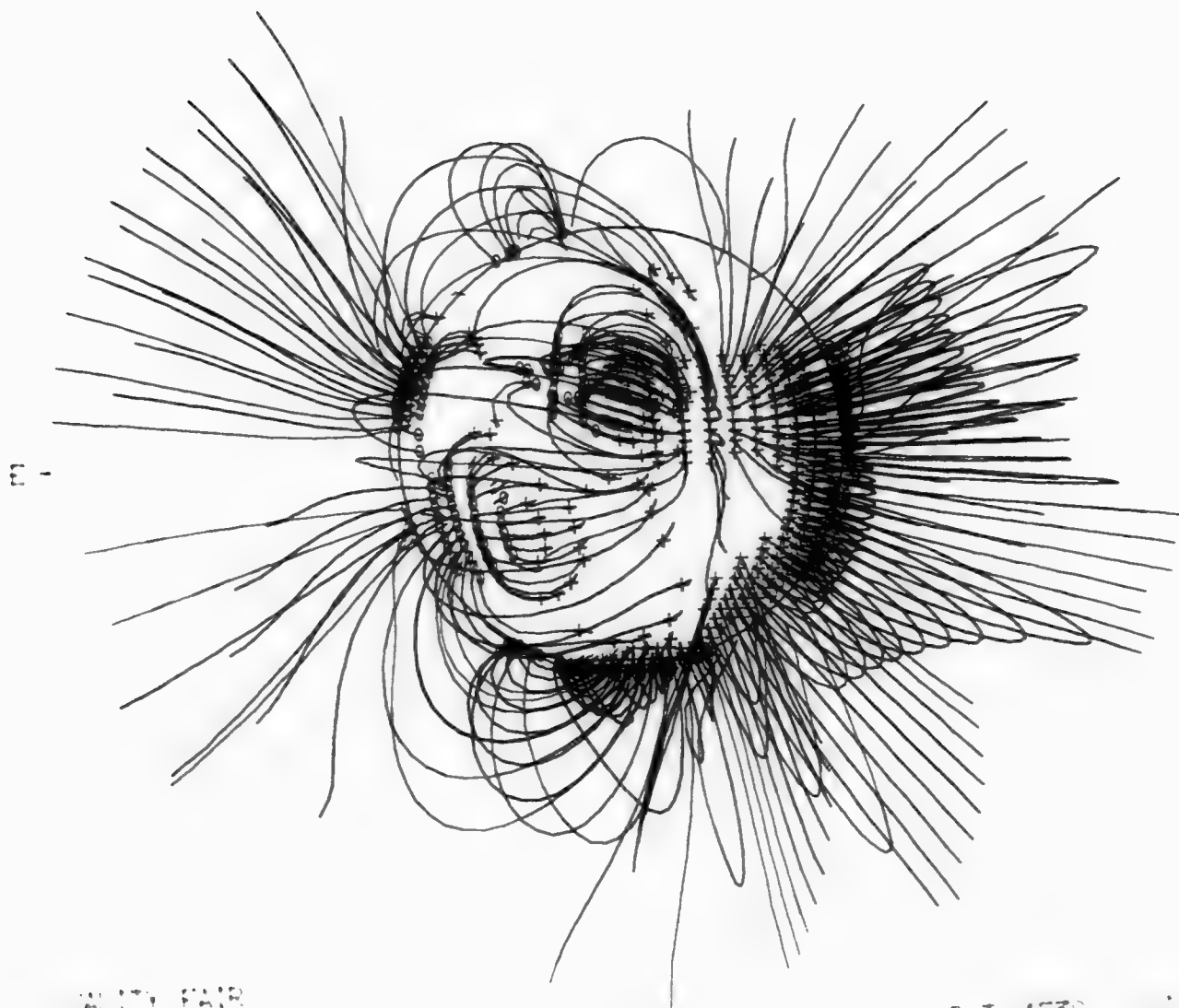
POWER DIRECT

CATH. VOLTAGE 1538.00

8.7. 1538 11.1. 1538

5.0 SEP 1958

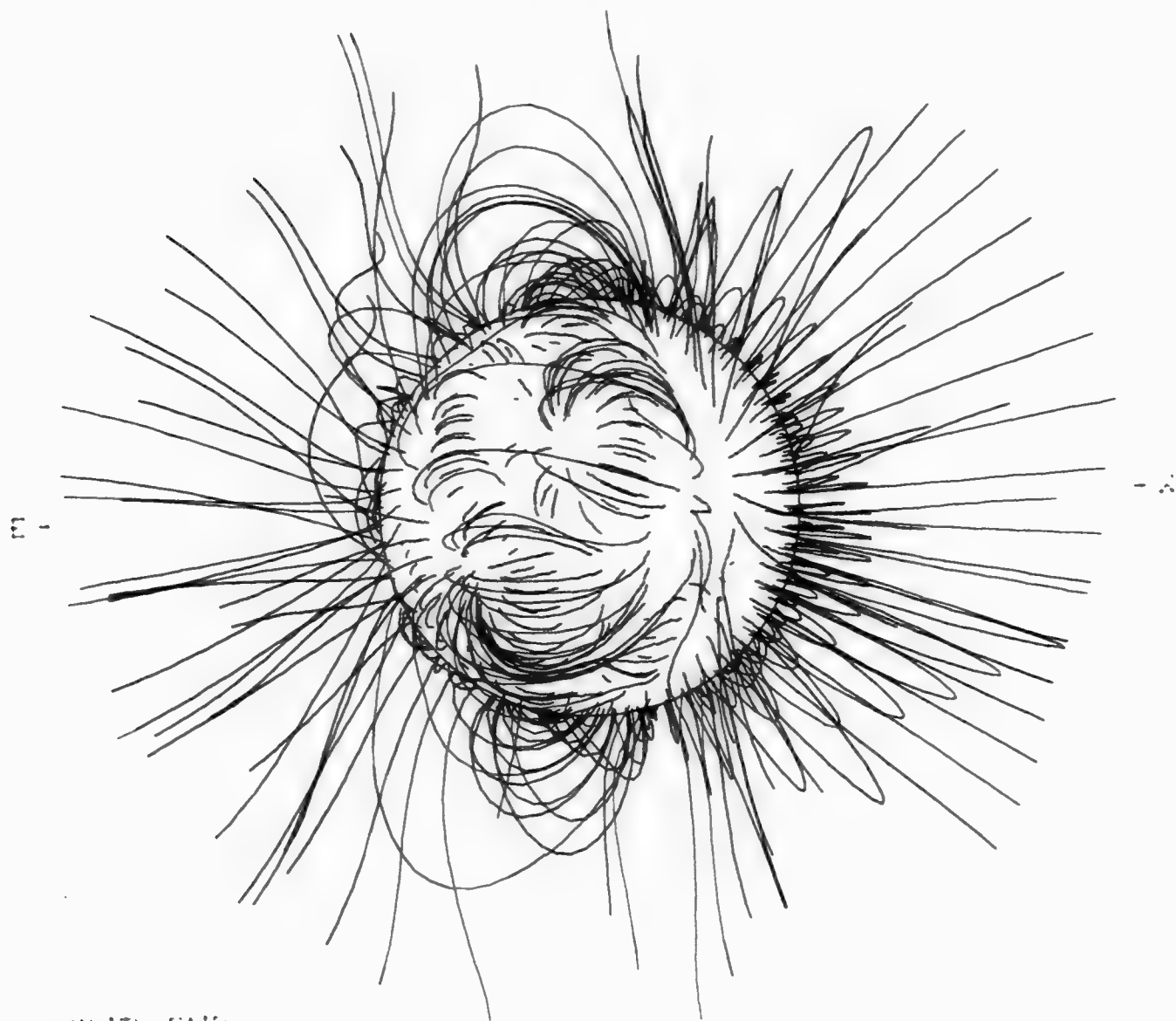
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POWER DIRECT
DATA WINDOW 1538.00

5.7. 1538 10.0. 1900
5.0 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

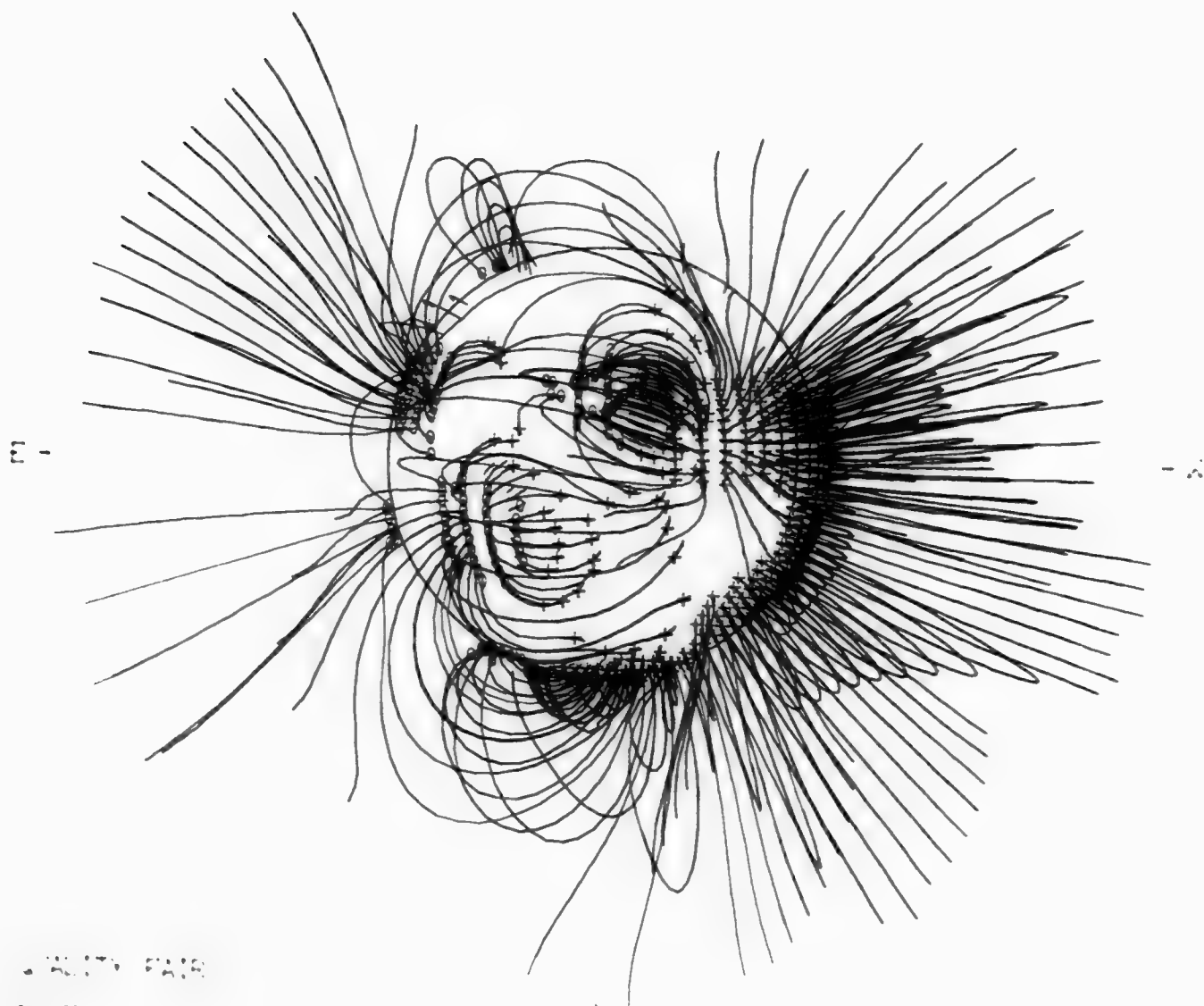


QUALITY FAIR
POWER CURRENT
DATA WIND 1538.00

S

RCT. 1538 2013. 151°
5.8 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY PAIR

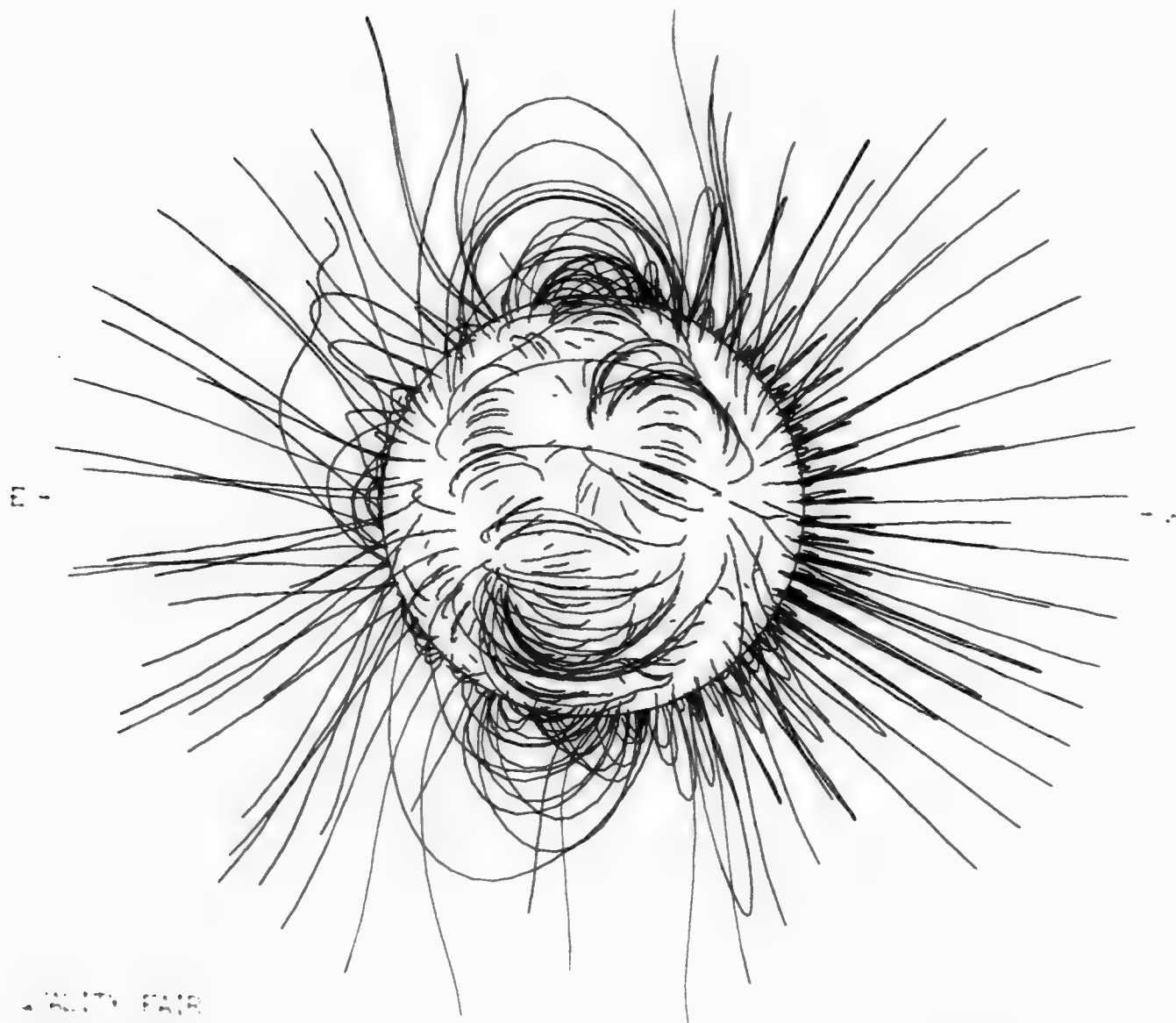
FILES DIRECT

DATA WIDEW 1538.00

RCT. '538 1111. '50'

5.8 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



LIBRARY FAIR

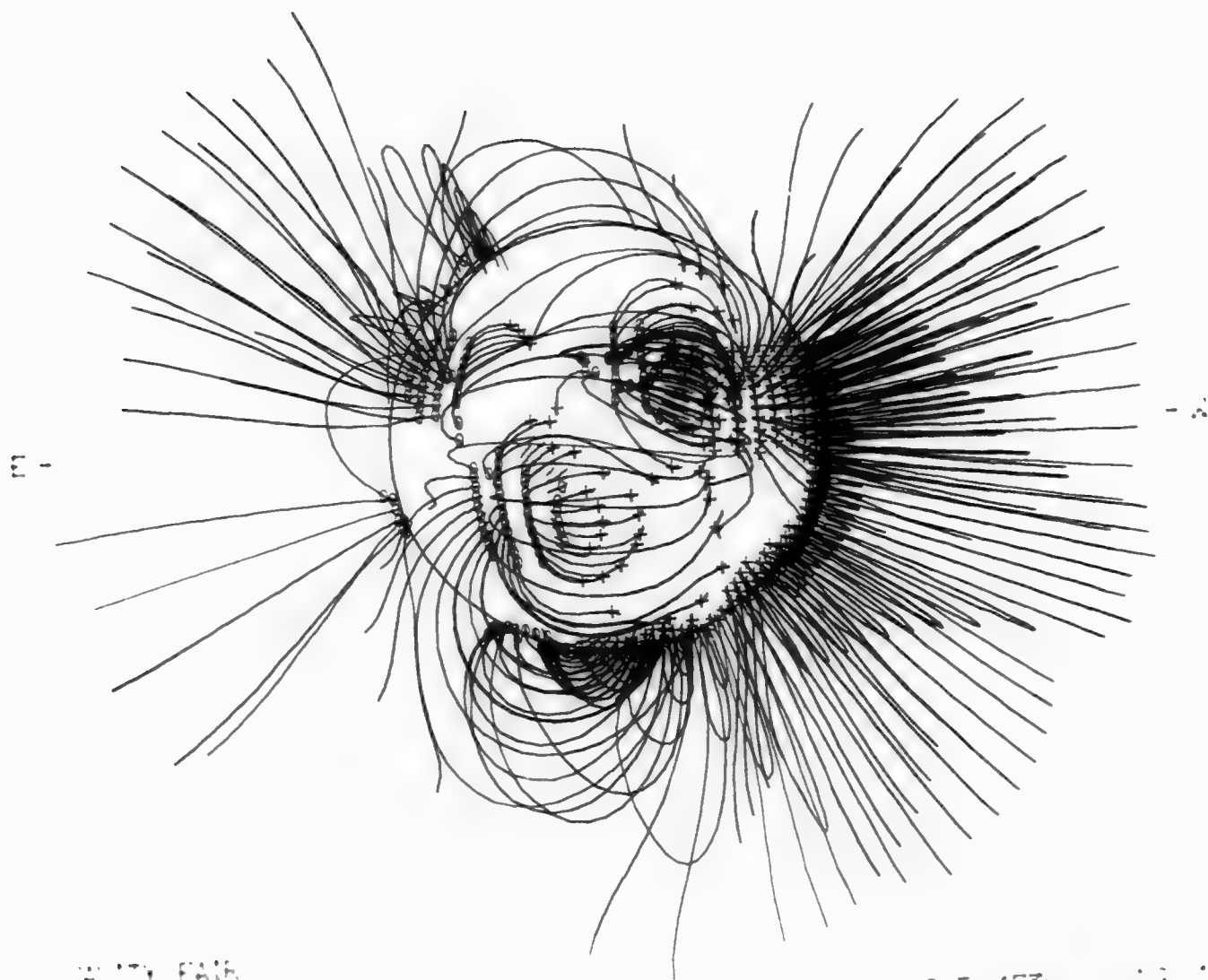
FULLER DIRECT

DATA WIND UN 1538.00

8.7. '538 21.3. '54'

5.5 SEP '568

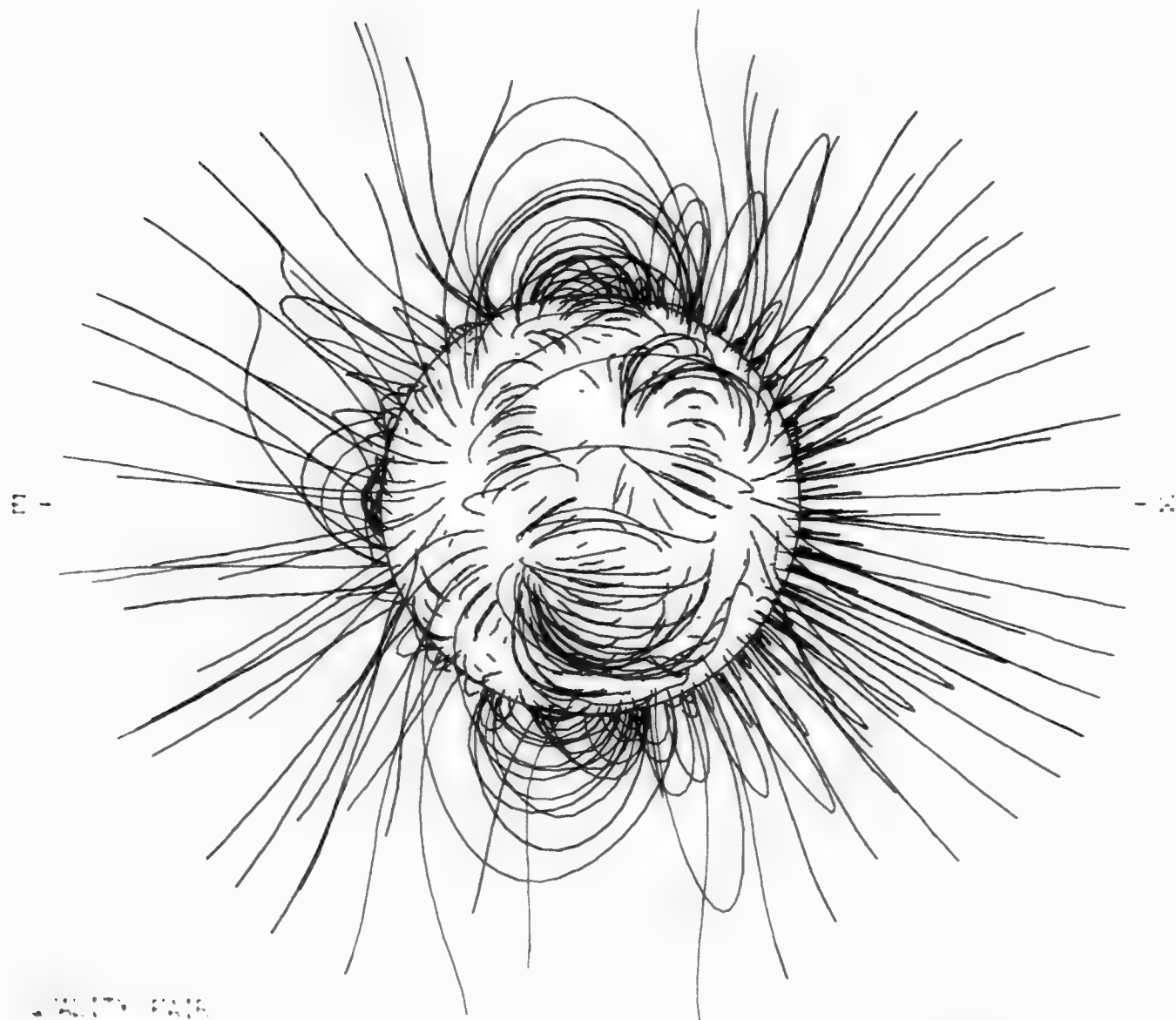
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY DATA
POLES DIRECT
DATA WIND 1538.00

ROT. 1538 1110. 141°
A.5 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY DATA

FILES DIRECT

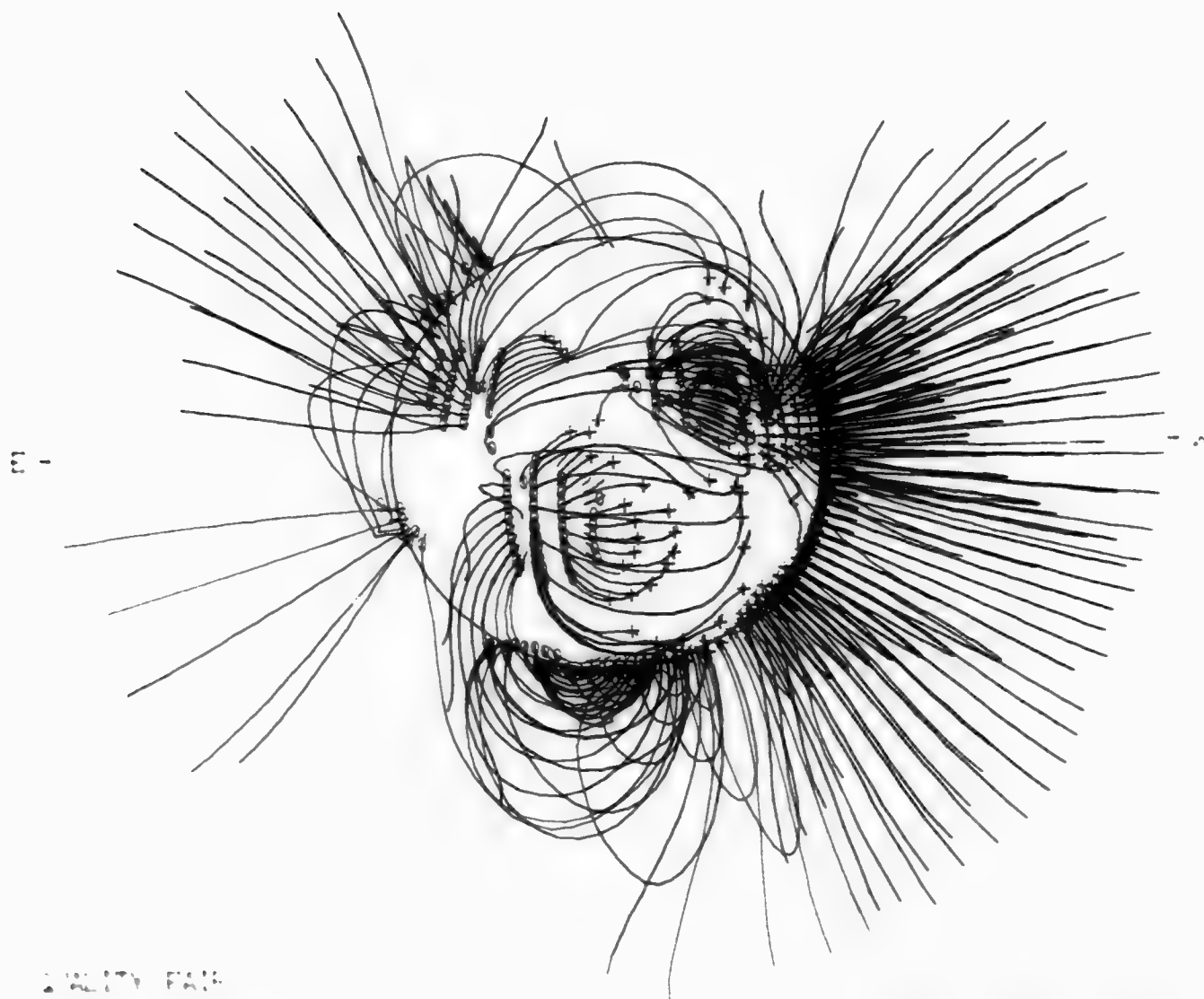
DATA AND/OR INFO.

S

R.T. 1954 L.O.S. 1954

1954 1954

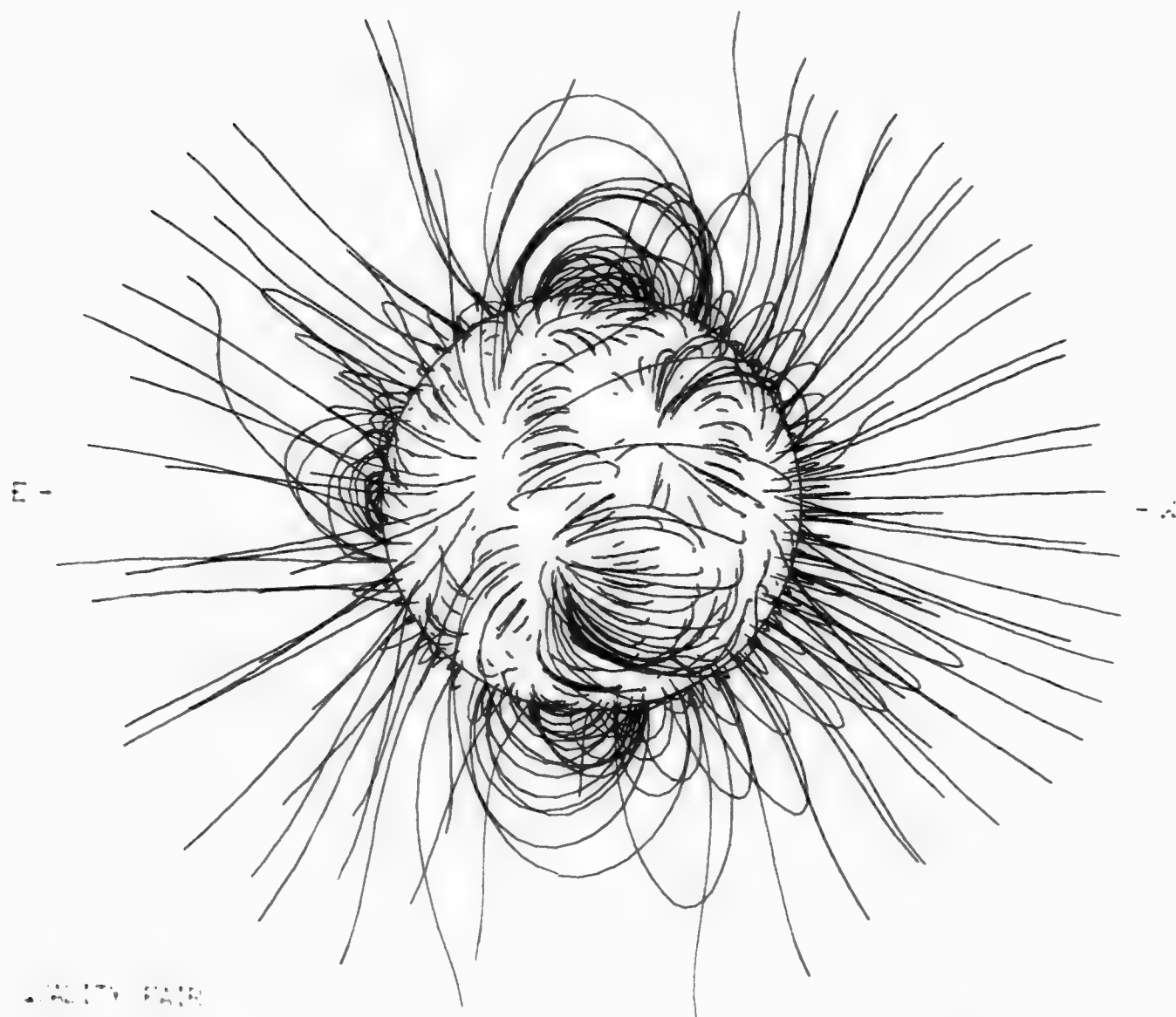
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FACT
 QUALITY FACT
 DATA AND/OR FORMS

QUALITY FACT
 QUALITY FACT
 DATA AND/OR FORMS

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

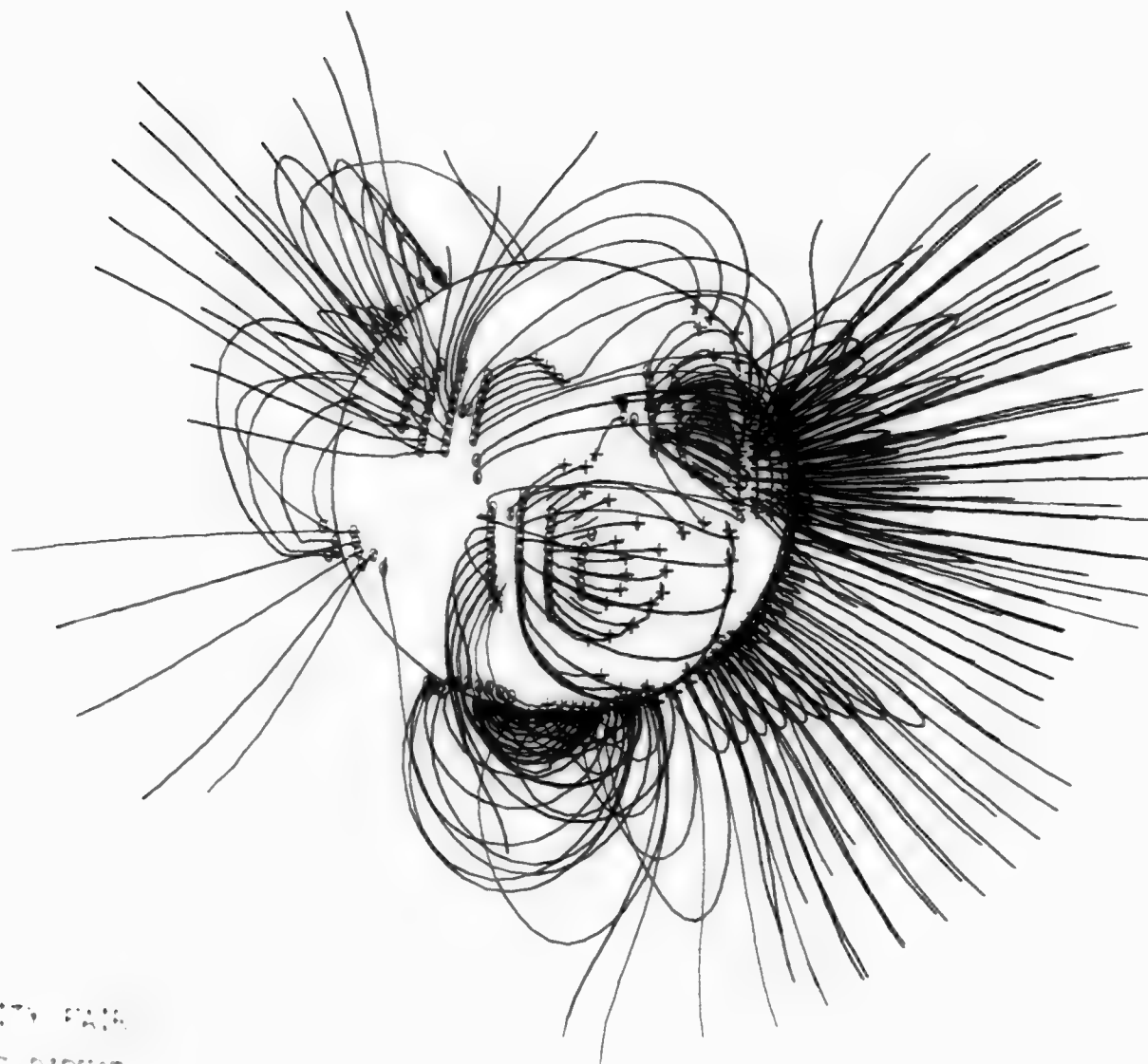


QUALITY PAIR
POLES DIRECT
DATA WITHIN 1000.00

S

8.7. '53- 2.10. '53
8.0 SEP 1953

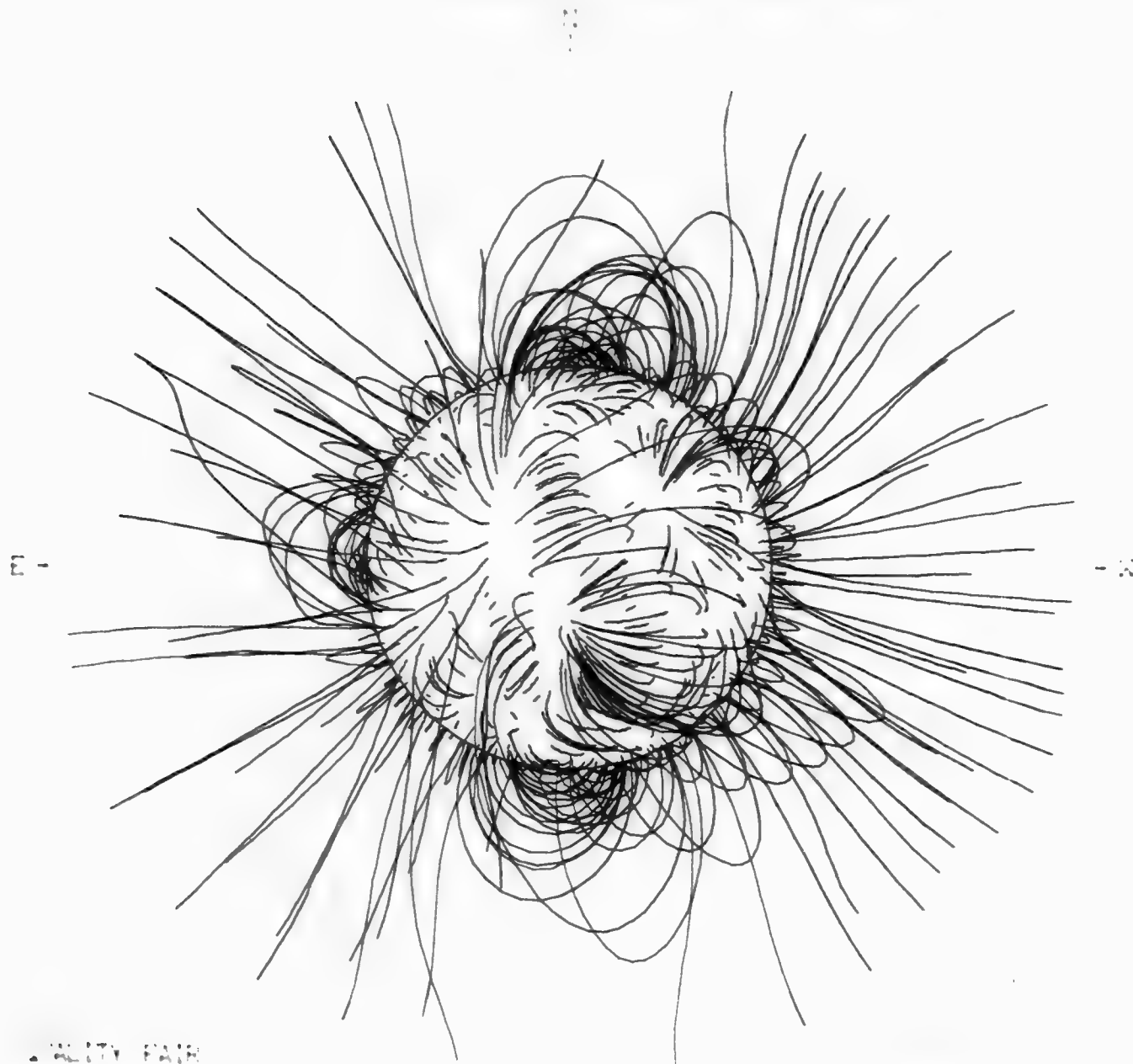
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE DATA
POLES DIRECT
DATA AND IN 1988.00

HALE DATA
POLES DIRECT
DATA AND IN 1988.00

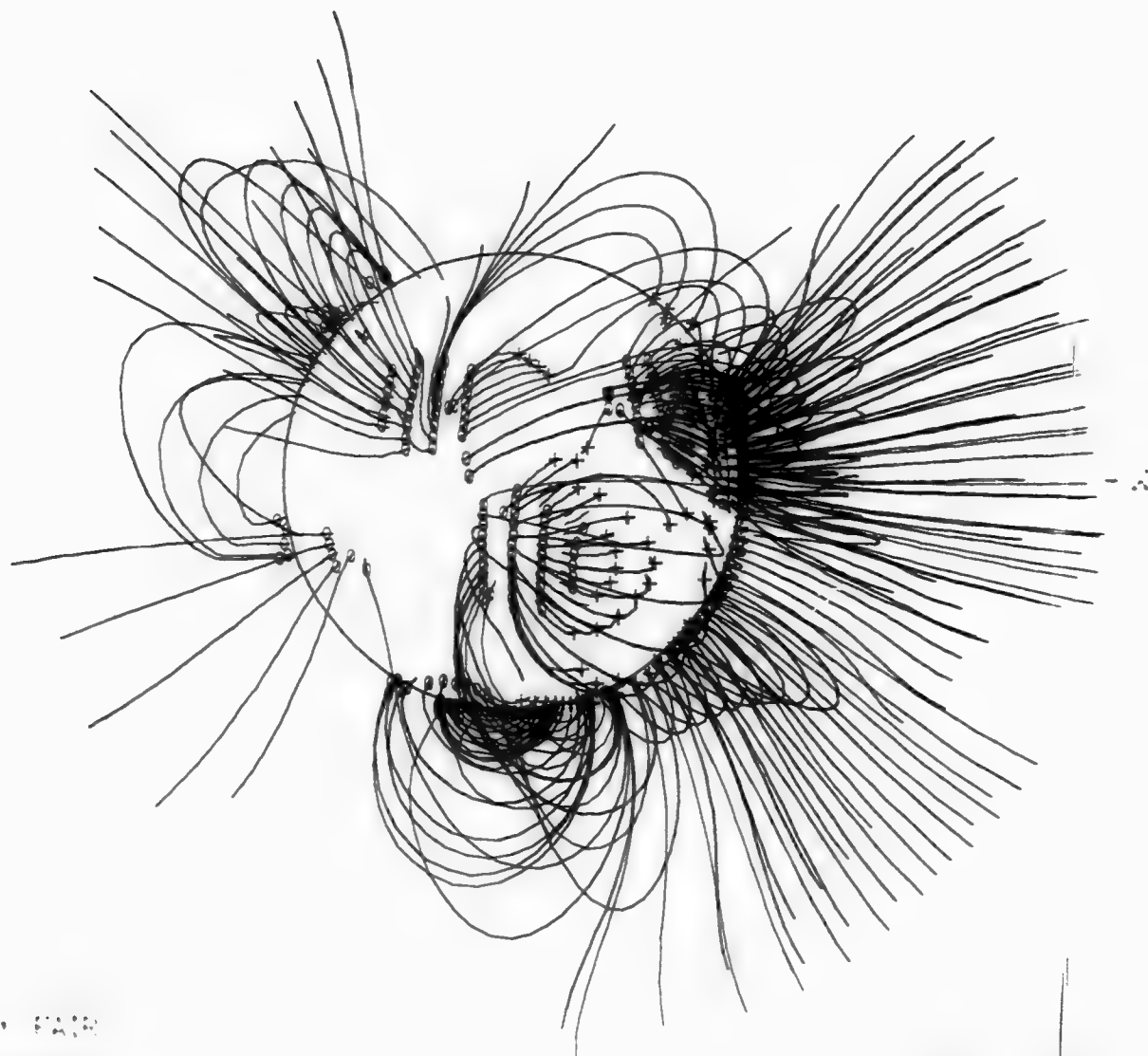
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES LINE +
 DATA AND IN 1958.10

RET. 1958 100.00
 5.5 1958 100.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY PAIR

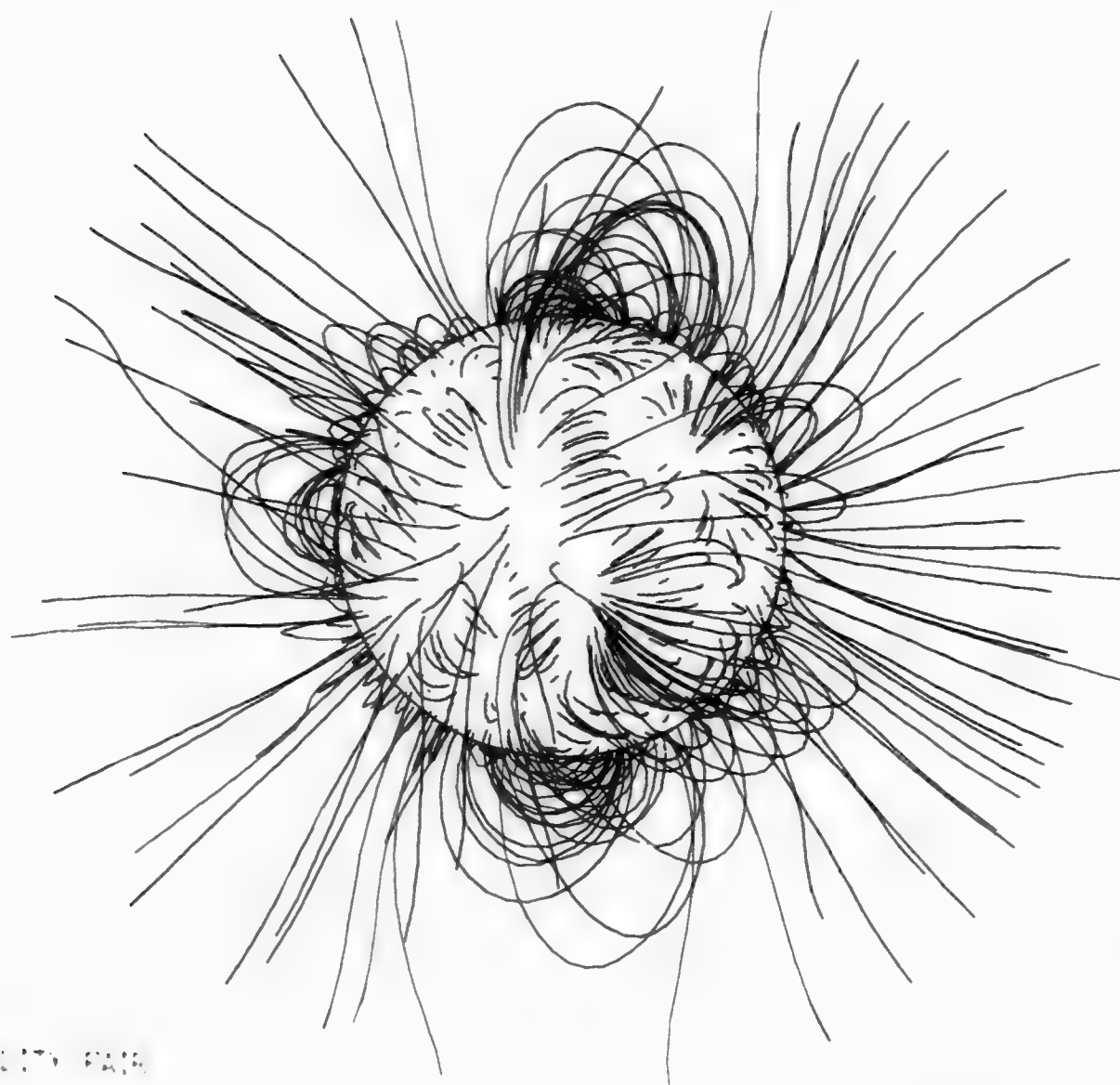
FILED LINE

DATA ANGLE 1538.00

RET. 1538 100.000°

8.8 187 1906

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

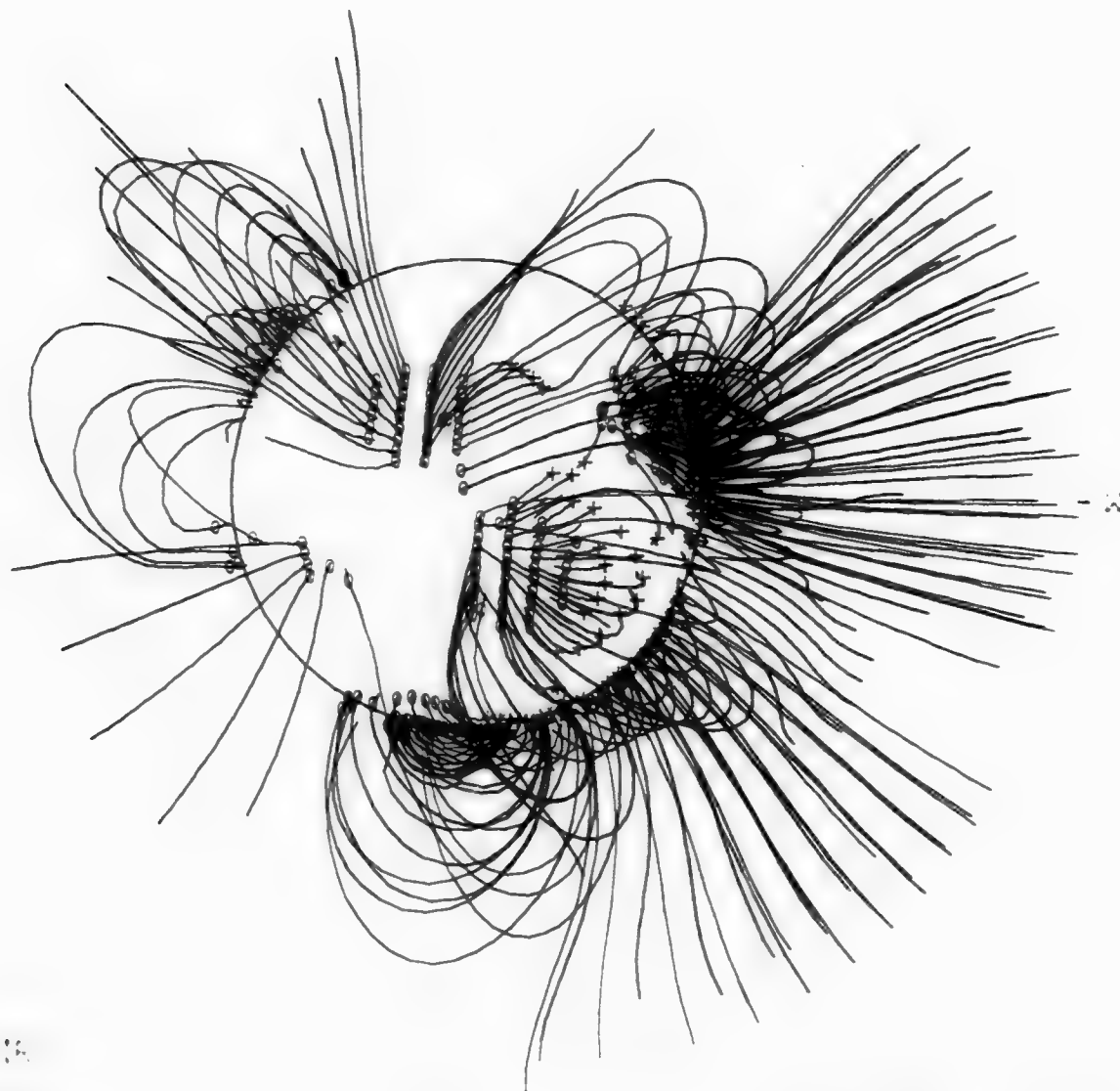


QUALITY DATA
 FROM DIRECT
 DATA AND IN 1998.00

S

EST. 1975 - 1998.00
 1.0 DEF 1998

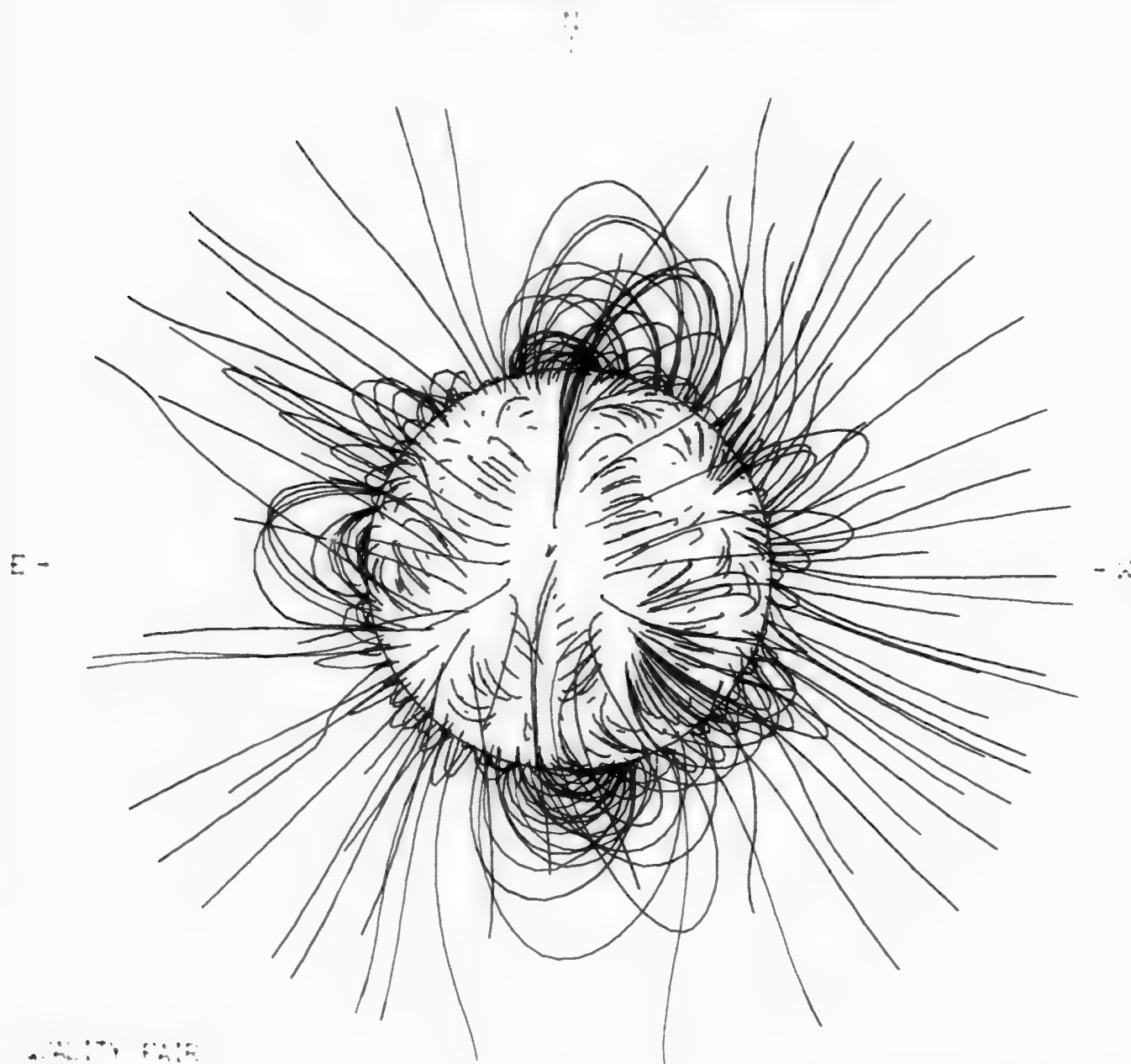
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY DATA
 FOLLOWING TABLE
 DATA WIND IN 1538.00

PUT. 1538- 1538.00
 1538.00 1538.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY PAIR

POLES DIRECT

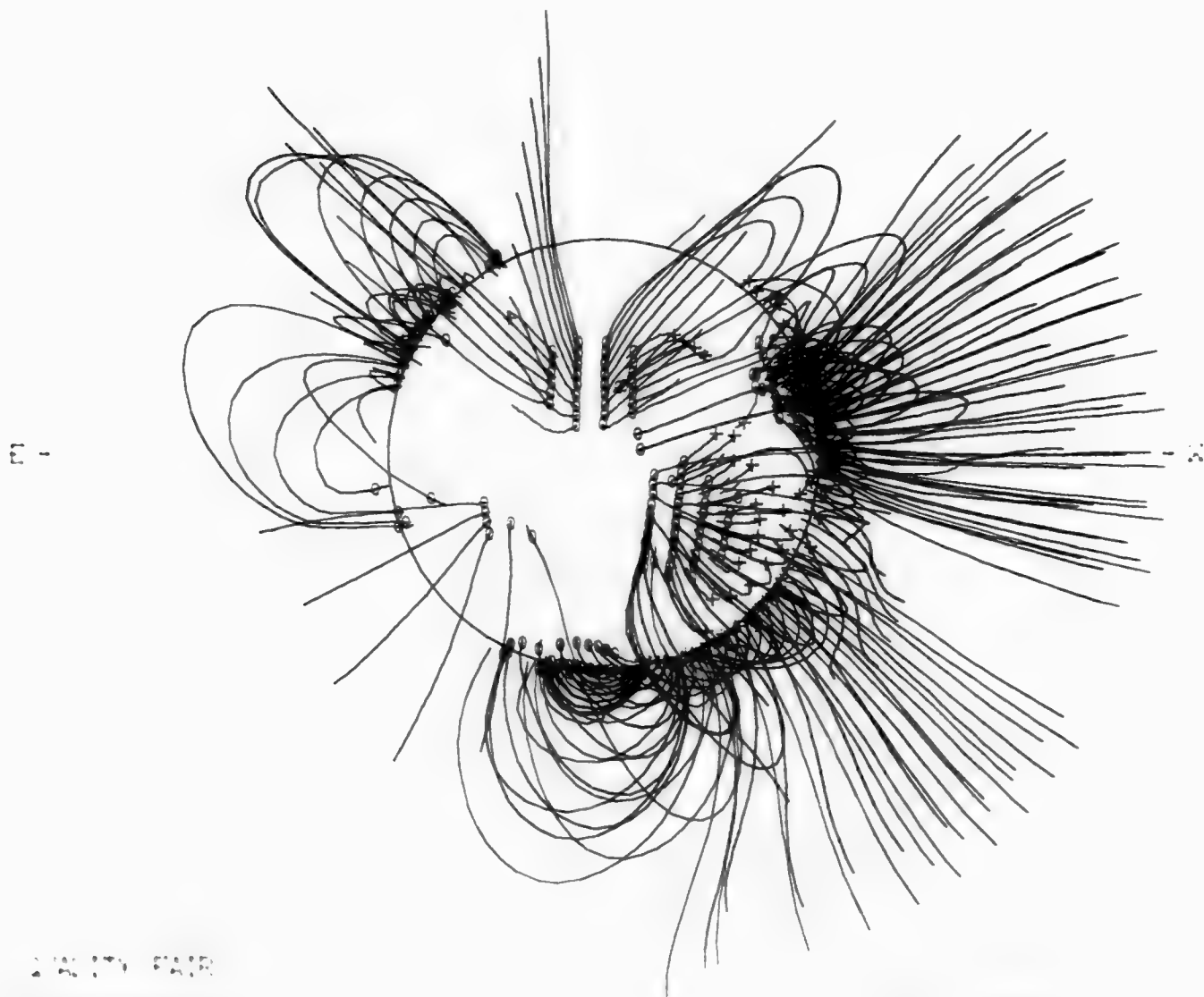
DATA WINDOW 1538.00

S

RUT. 1538 LUG. 1538

10.3 SEP 1968

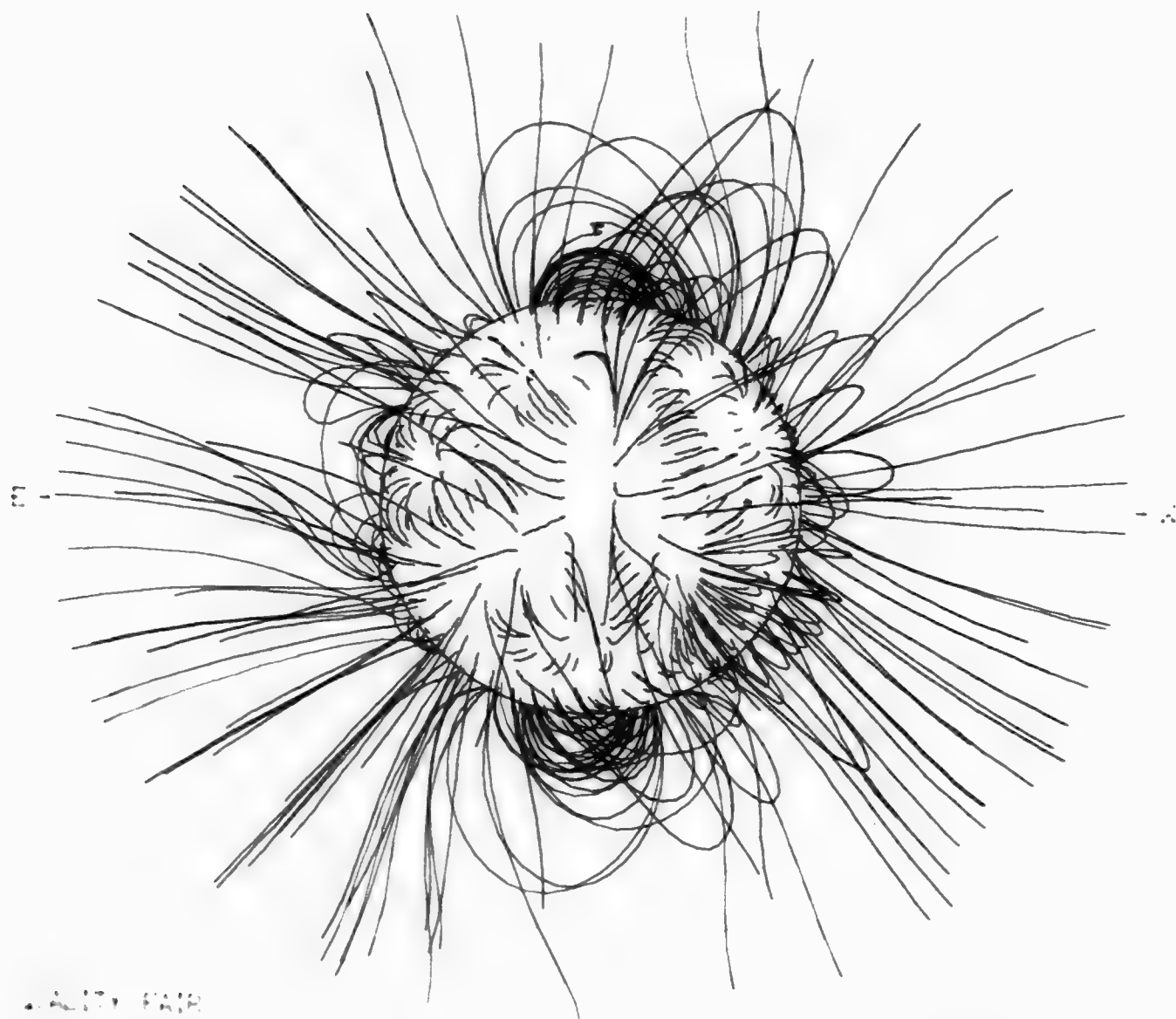
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 PRICE DIRECT
 DATA AND/OR 1958.00

6.7. 1956 100. 40°
 10.5 1957 100

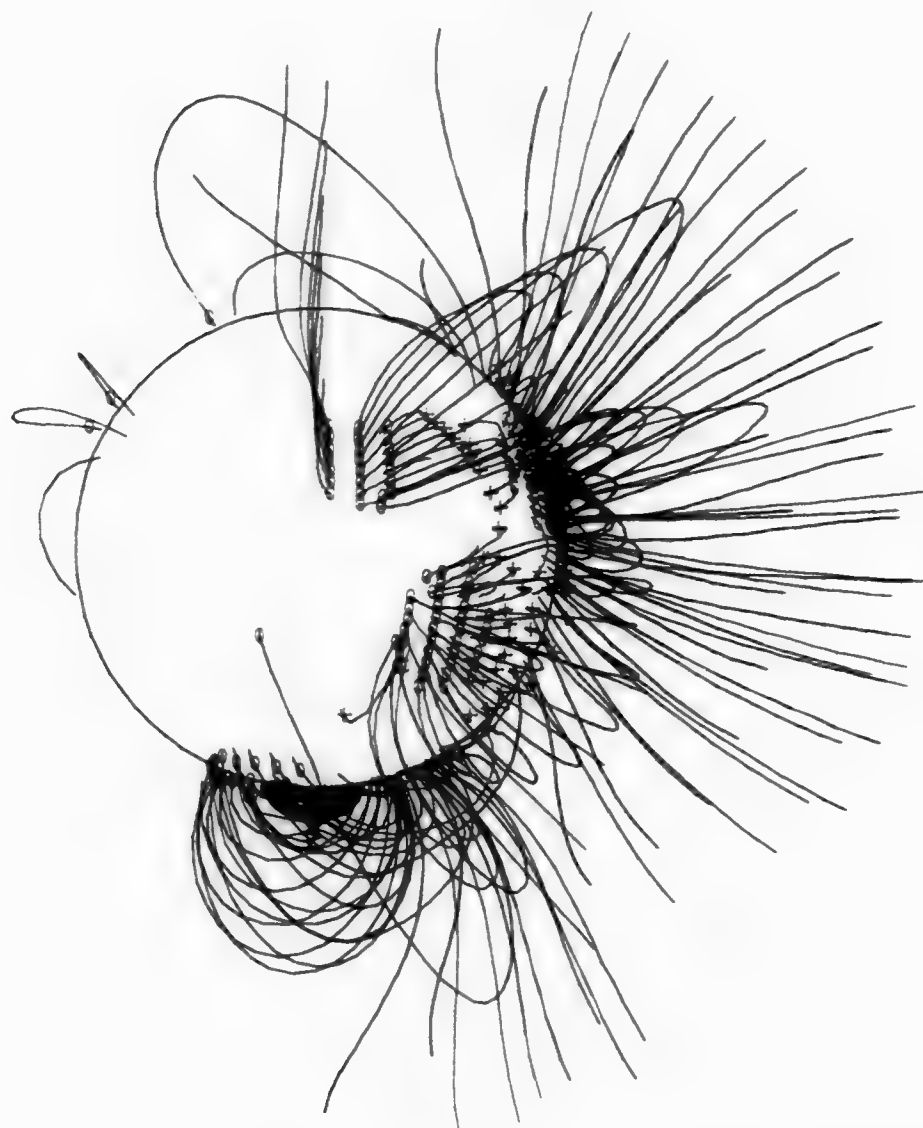
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 RULES DIRECT
 DATA WITH IN 1988.00

EXT. 1988 1988.00
 1988.00 1988.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

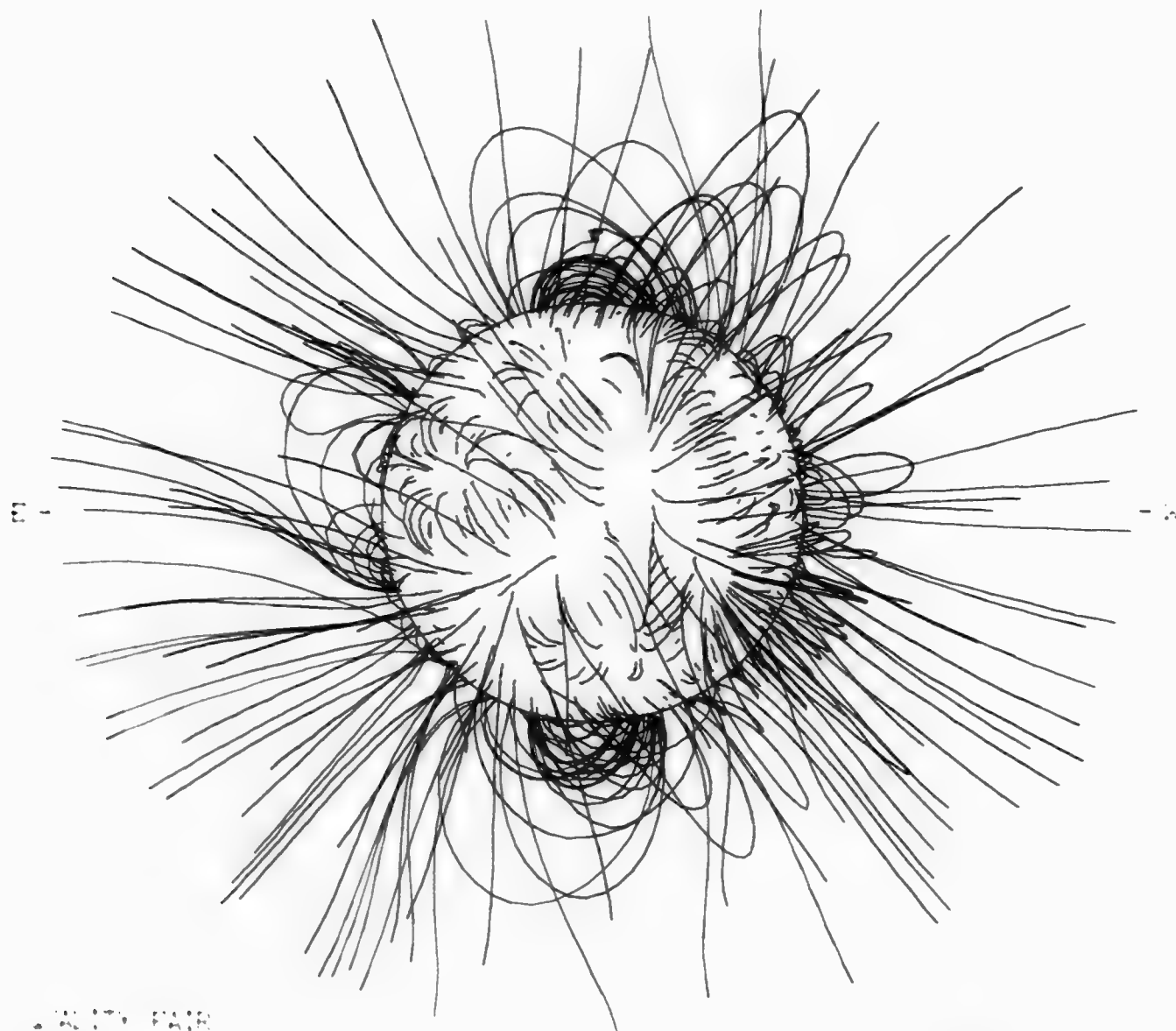


QUALITY DATA
 FILED DIRECT
 DATA W/IN 1958.5

S

R.T. 1554 1000 1000
 1000 1000 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

PLANT DIRECT

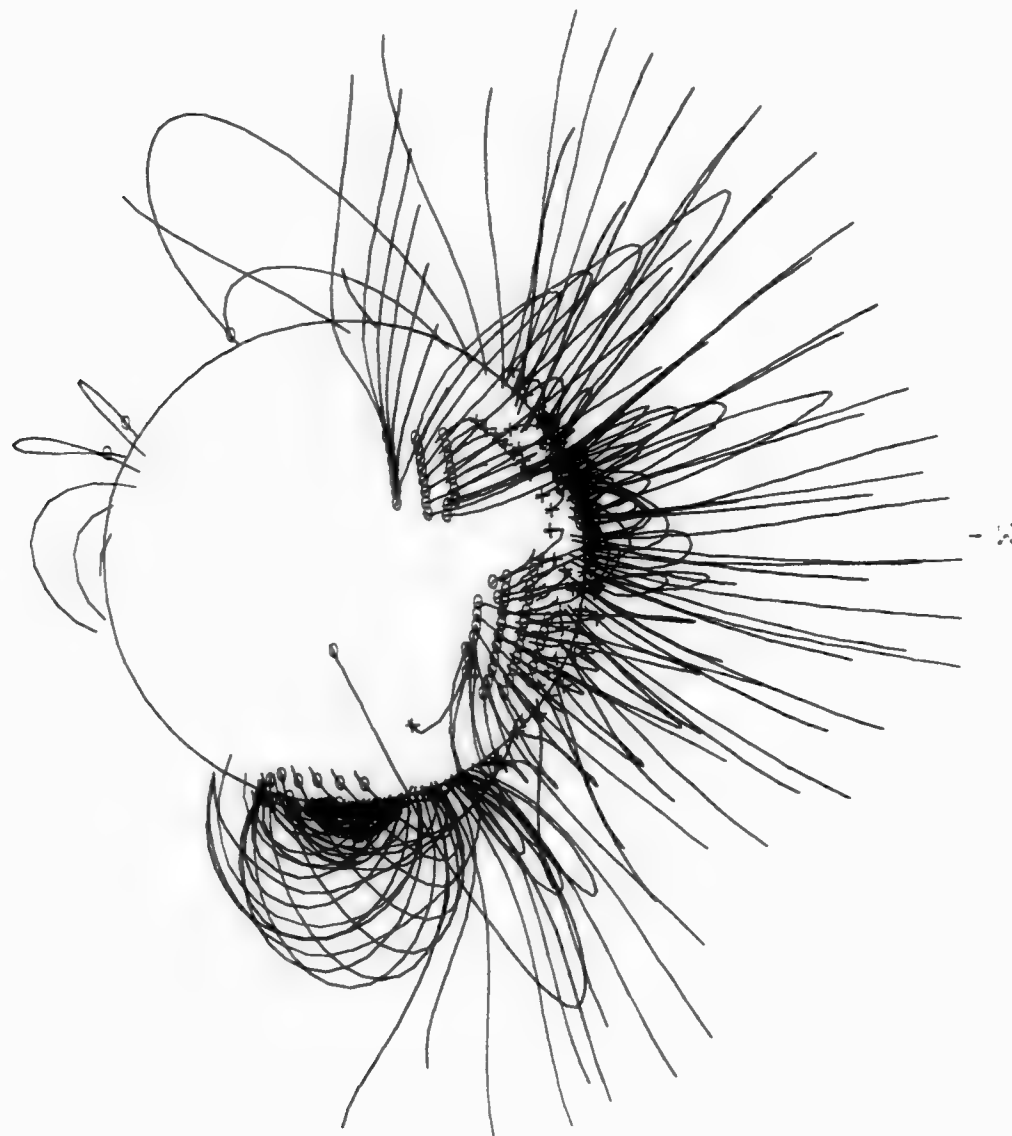
DATA AND IN 1958.07

8.7. 1958 1.1. 1958

11.8 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

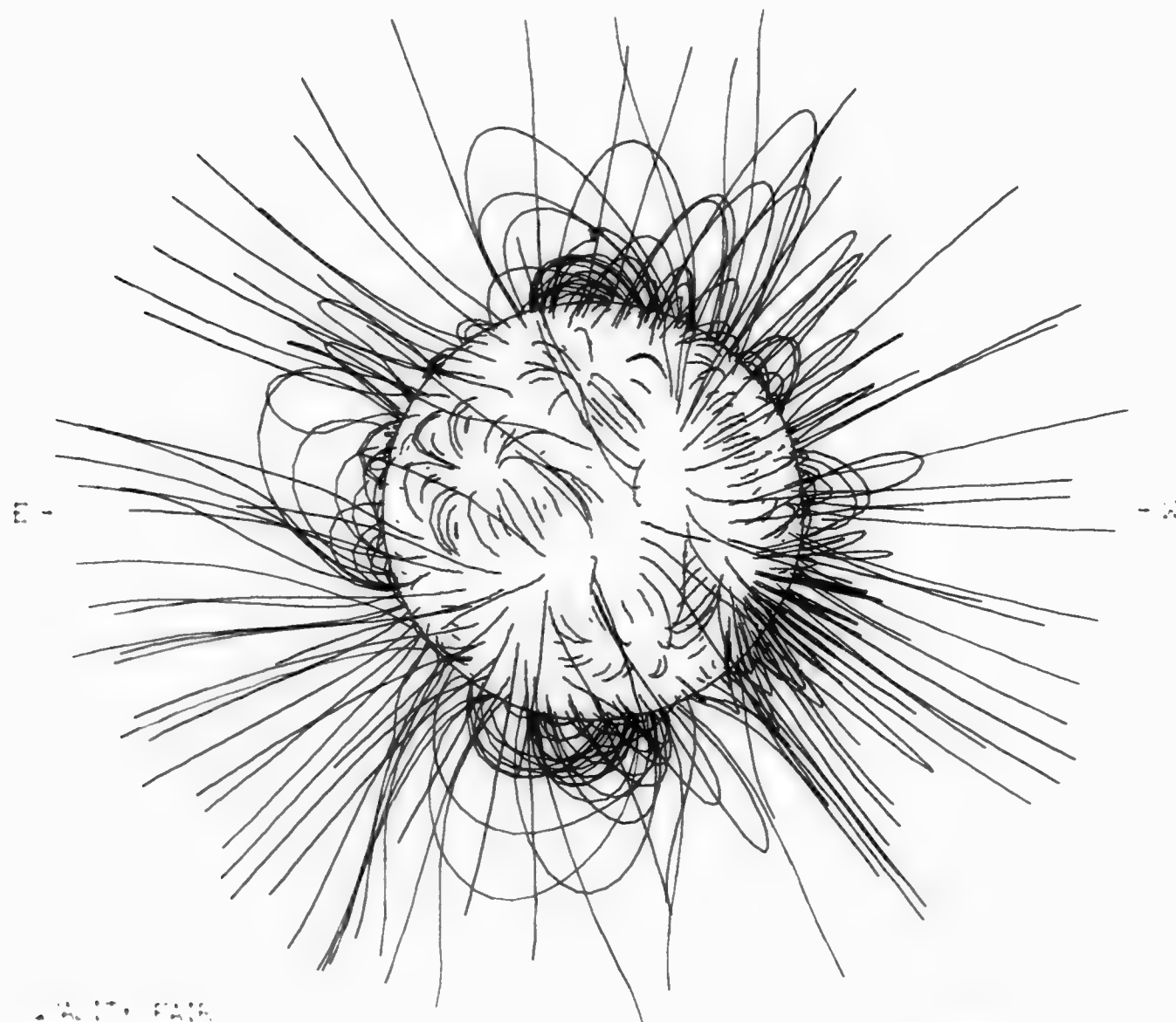


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1538.47

S

RCT. 1538 LONG. 71°
11.8 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY: FAIR

FLUX: DIRECT

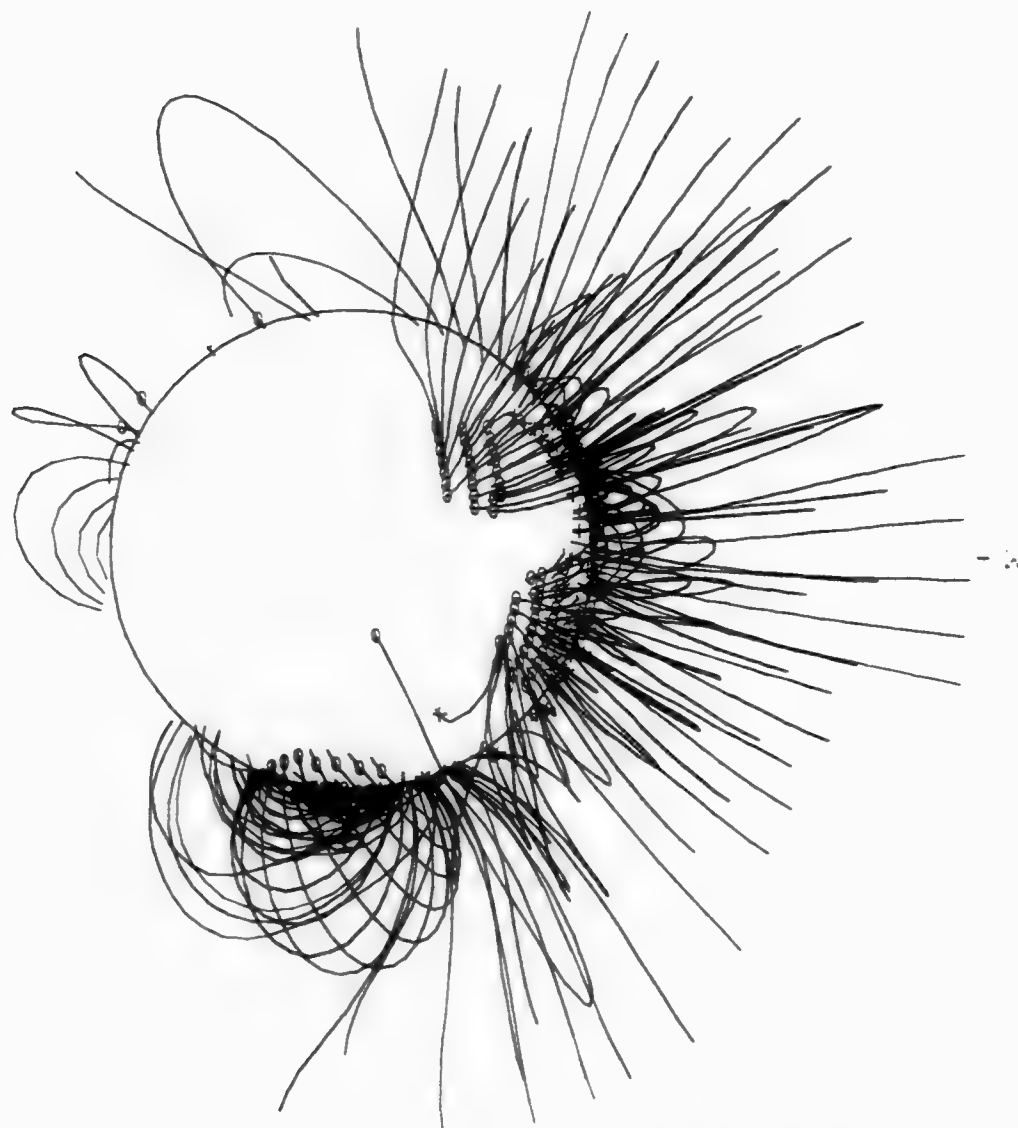
DATA: JUNE 1958.07

1
S

RJT. 1538 L113. 41°

12.6 SEP 1958

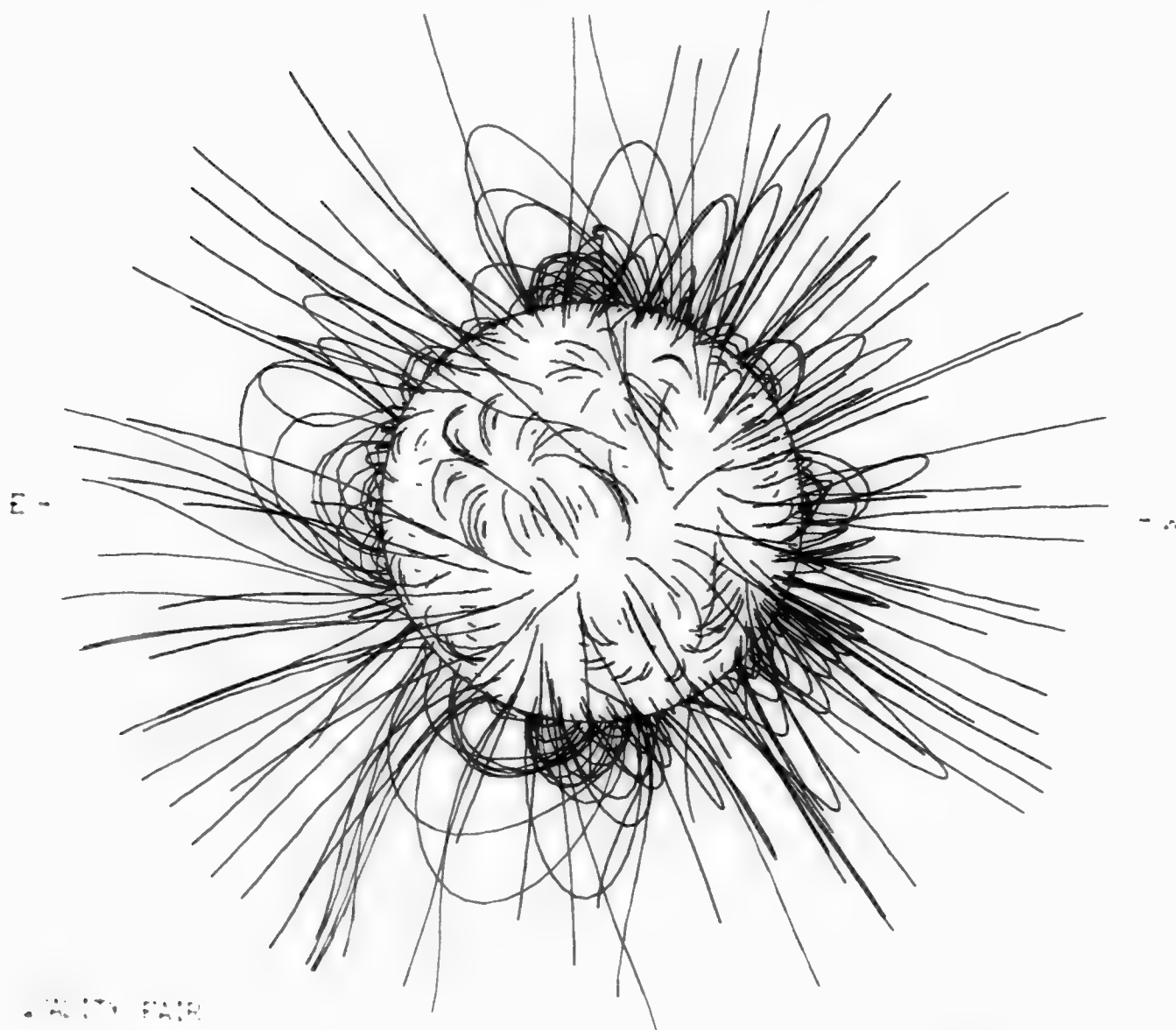
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE OBSERVATORY
 FILED DIRECT
 DATA AND IN 1958.47

5.7. 1958 10.0. 50°
 12.5 1958 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

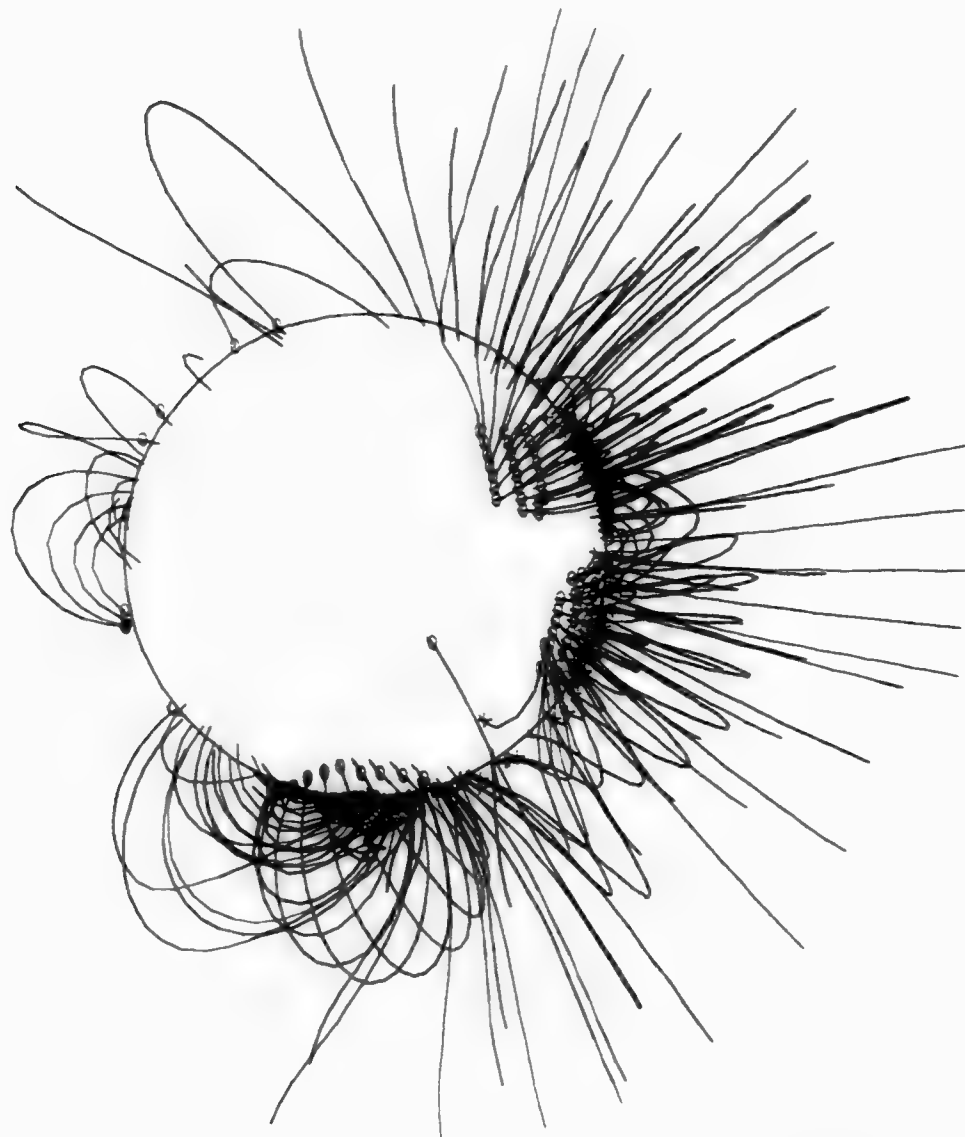
FILES DIRECT

DATA WINDOW 1538.47

R.T. 1538 10.1. 51°

13.3 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

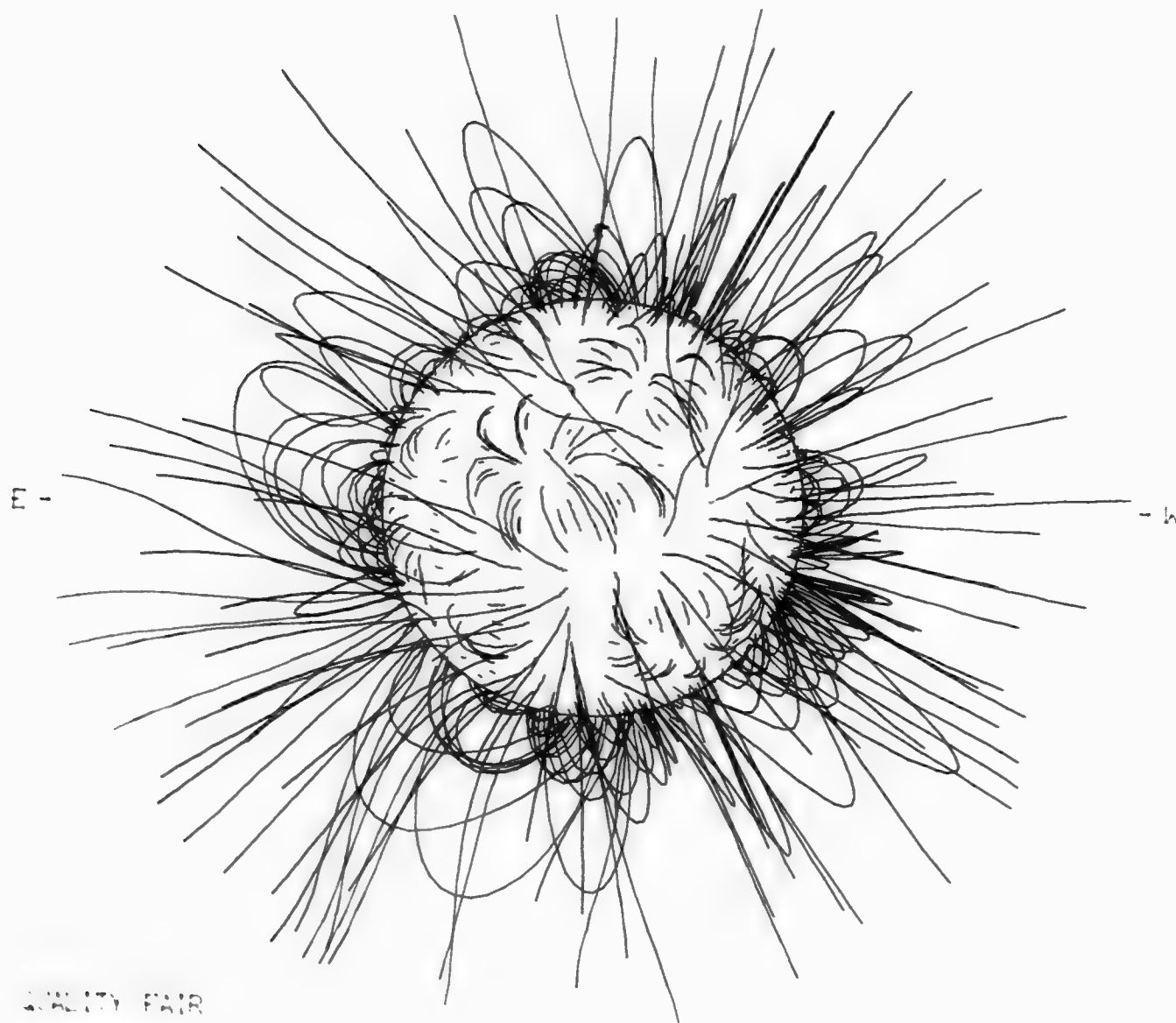


HALE, PAIR
 FILED 1958.1
 DATA 1958.1

ROT. 1558 1000. 50°
 13.5 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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I



QUALITY FAIR

FILES DIRECT

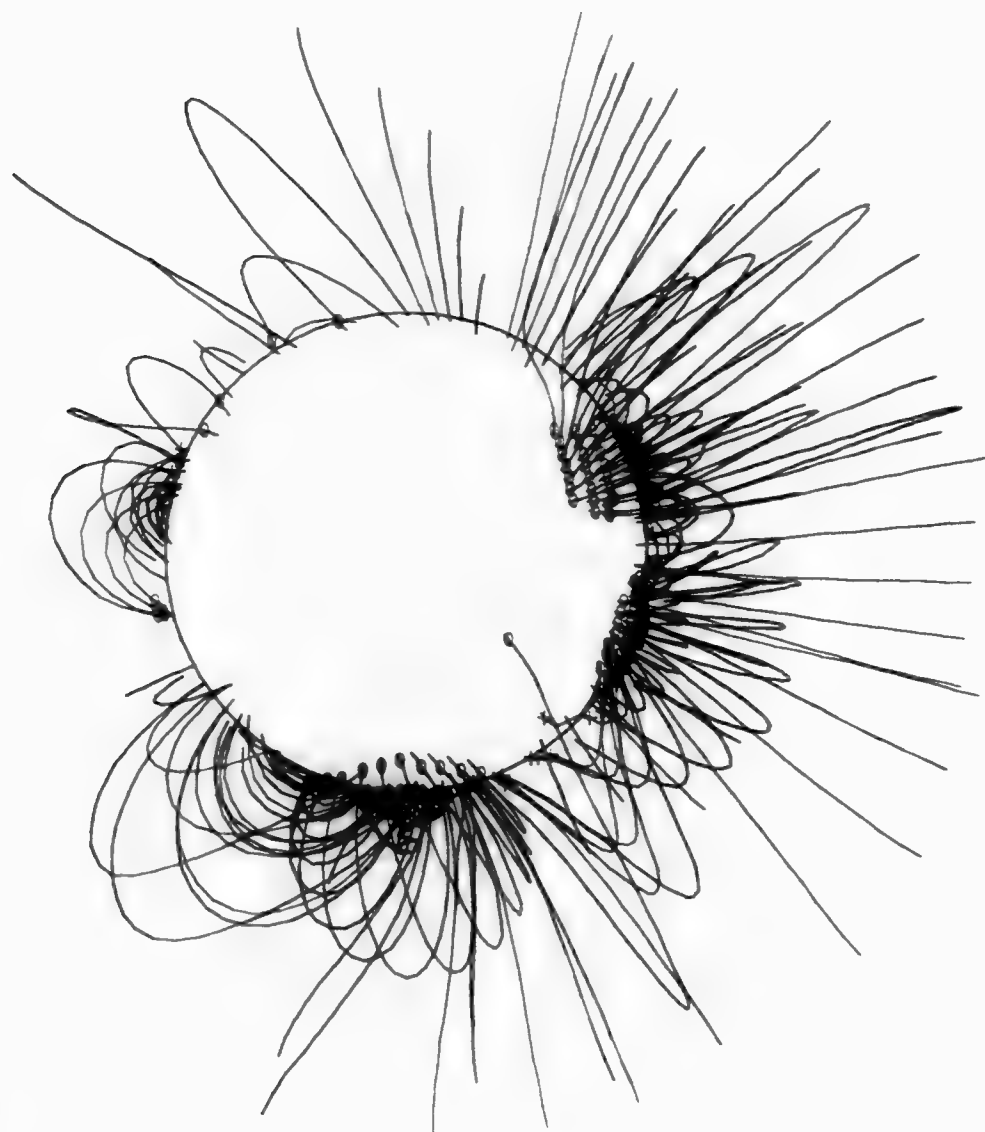
DATA WINDOW 1538.47

S

ROT. 1538 LONG. 40°

14.1 SEP 1968

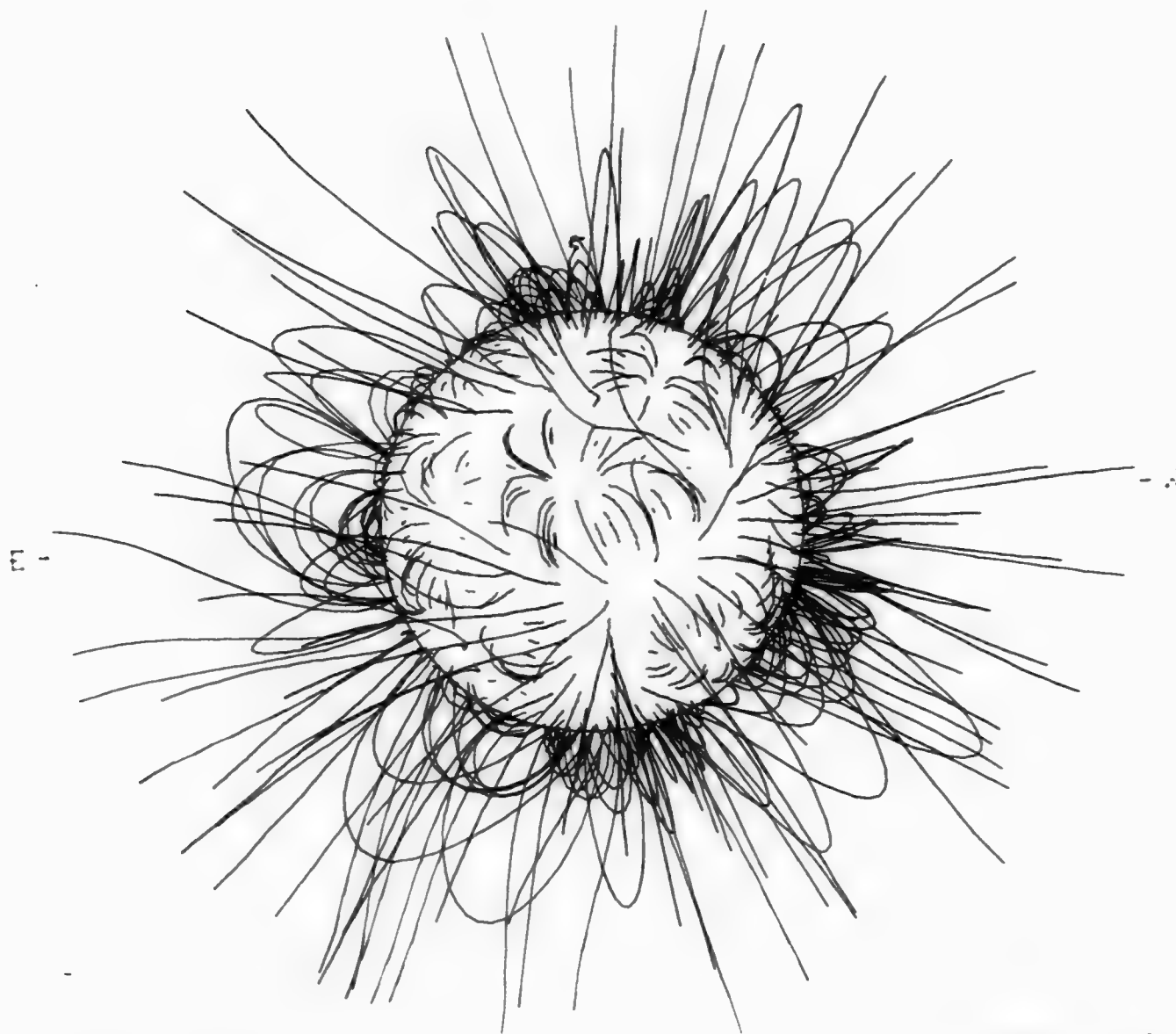
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FLIGHT TIME 4
 DATA AND LOG 1958.07

ALT. 558 1000 40°
 14.1 1958 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

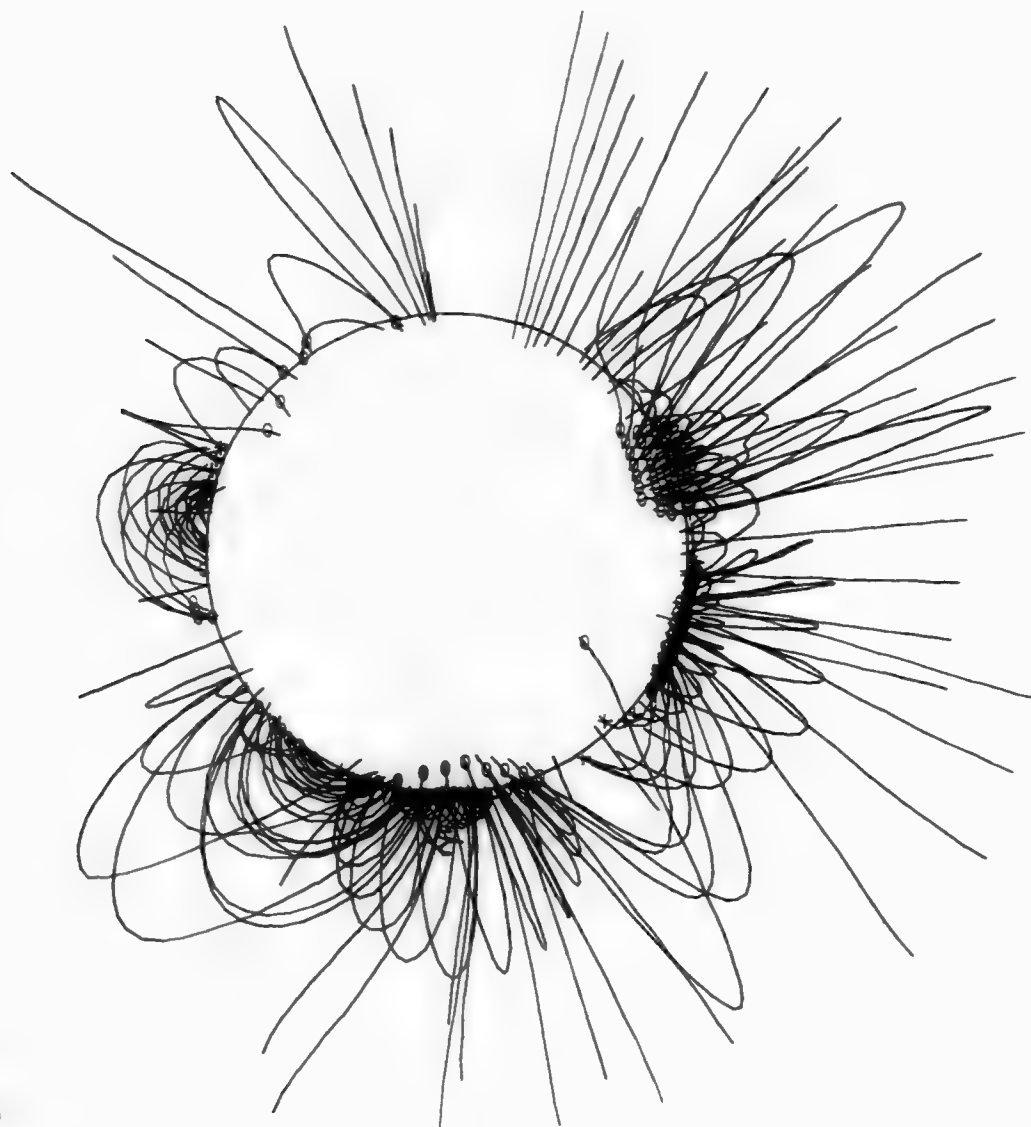


ALITY PAIR
 PLEN DIRECT
 DATA AND LA 1538.5"

S

2.7. 1538 11.0. 30°
 14.8 SEP 1966

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



17

18

QUALITY FAIR

FILES DIRECT

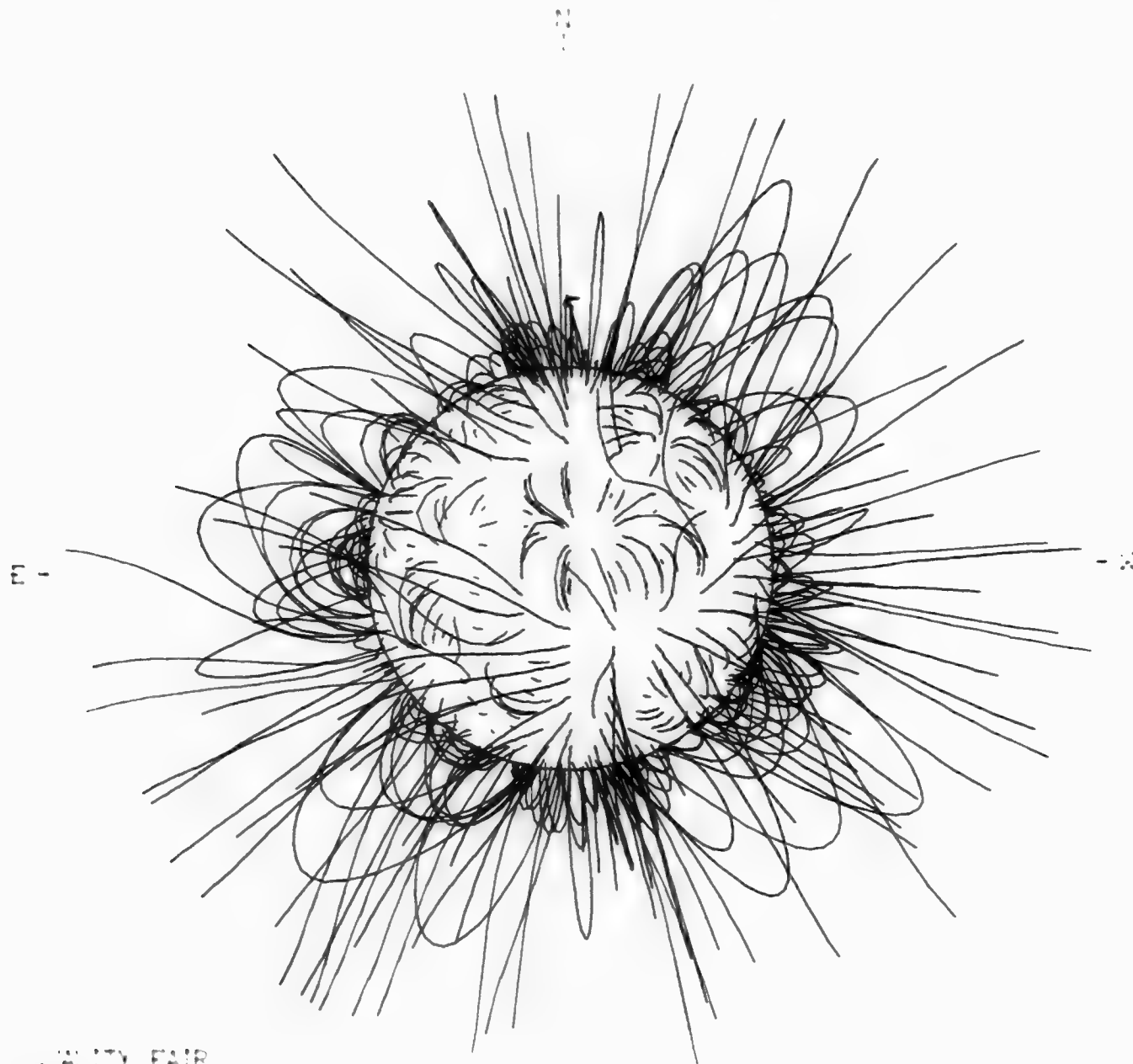
DATA NUMBER 1538.47

1
S

ROT. 1538 LONG. 30°

14.8 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1538.47

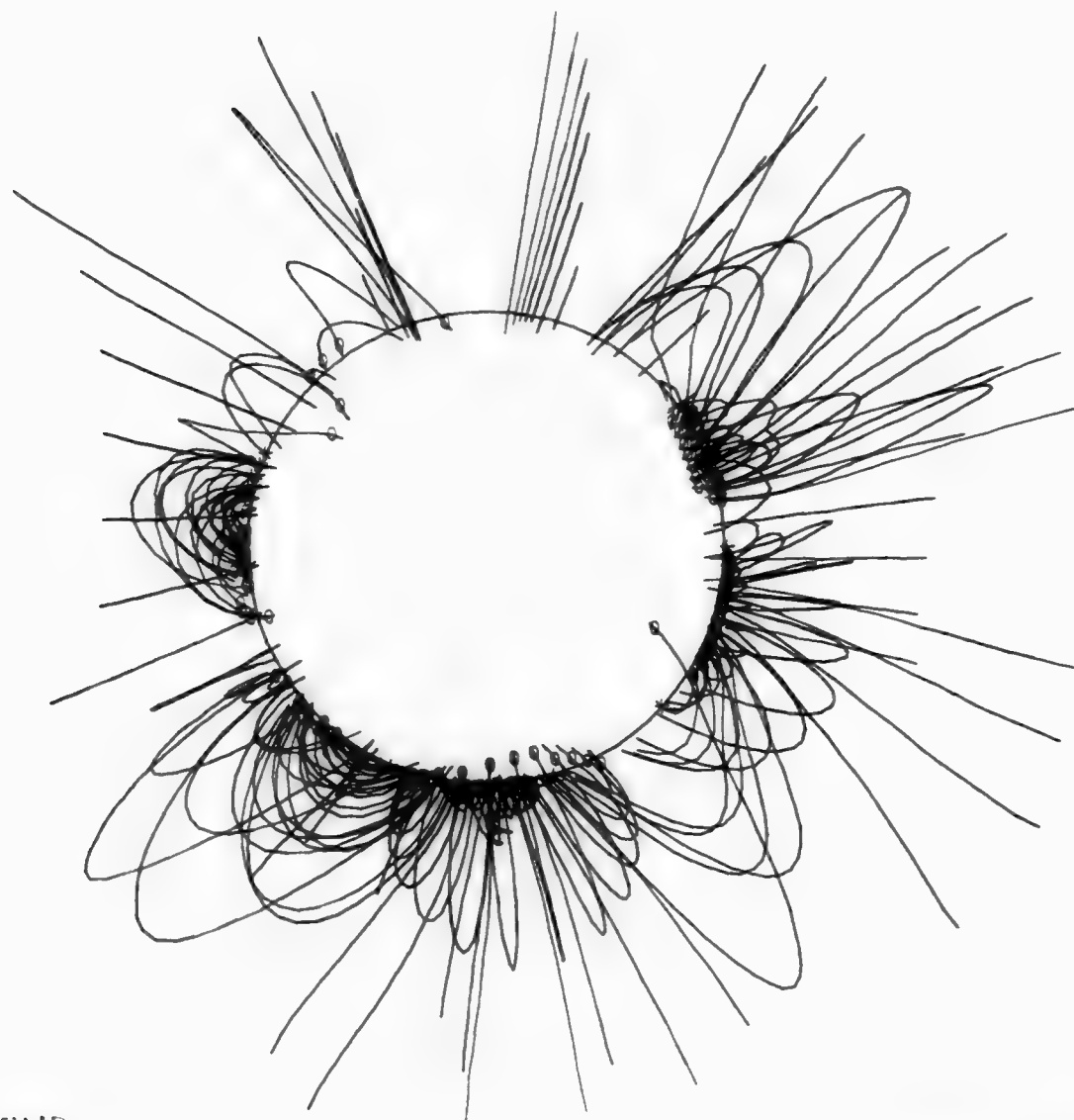
S

ROT. 1538

LONG. 20°

15.6 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



E -

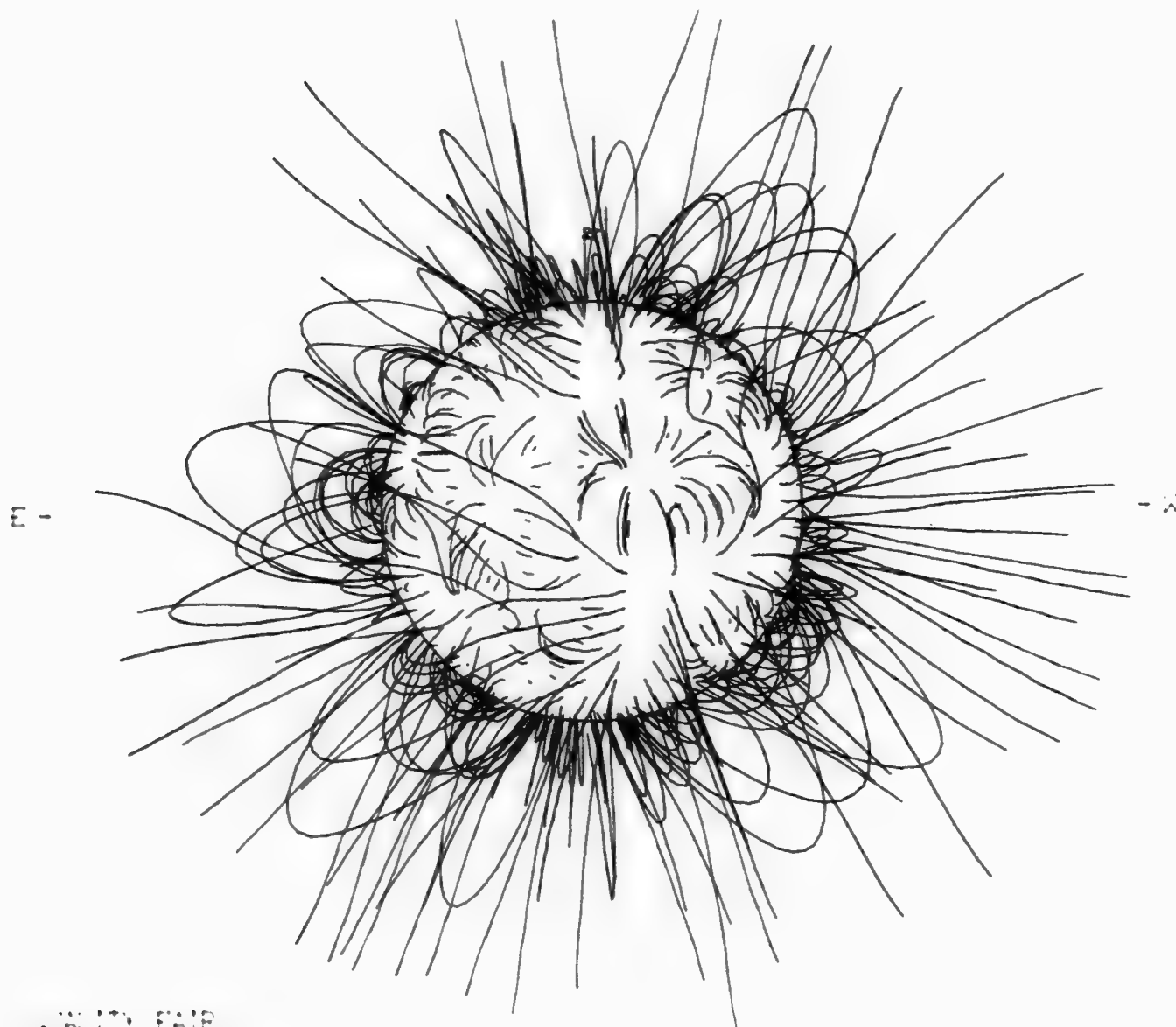
- A

QUALITY FAIR
 RULES DIRECT
 DATA WINDOW 1538.47

S

RJT. 1538 2010. 21°
 15.6 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POWER DIRECT

DATA JAN 68 1538.47

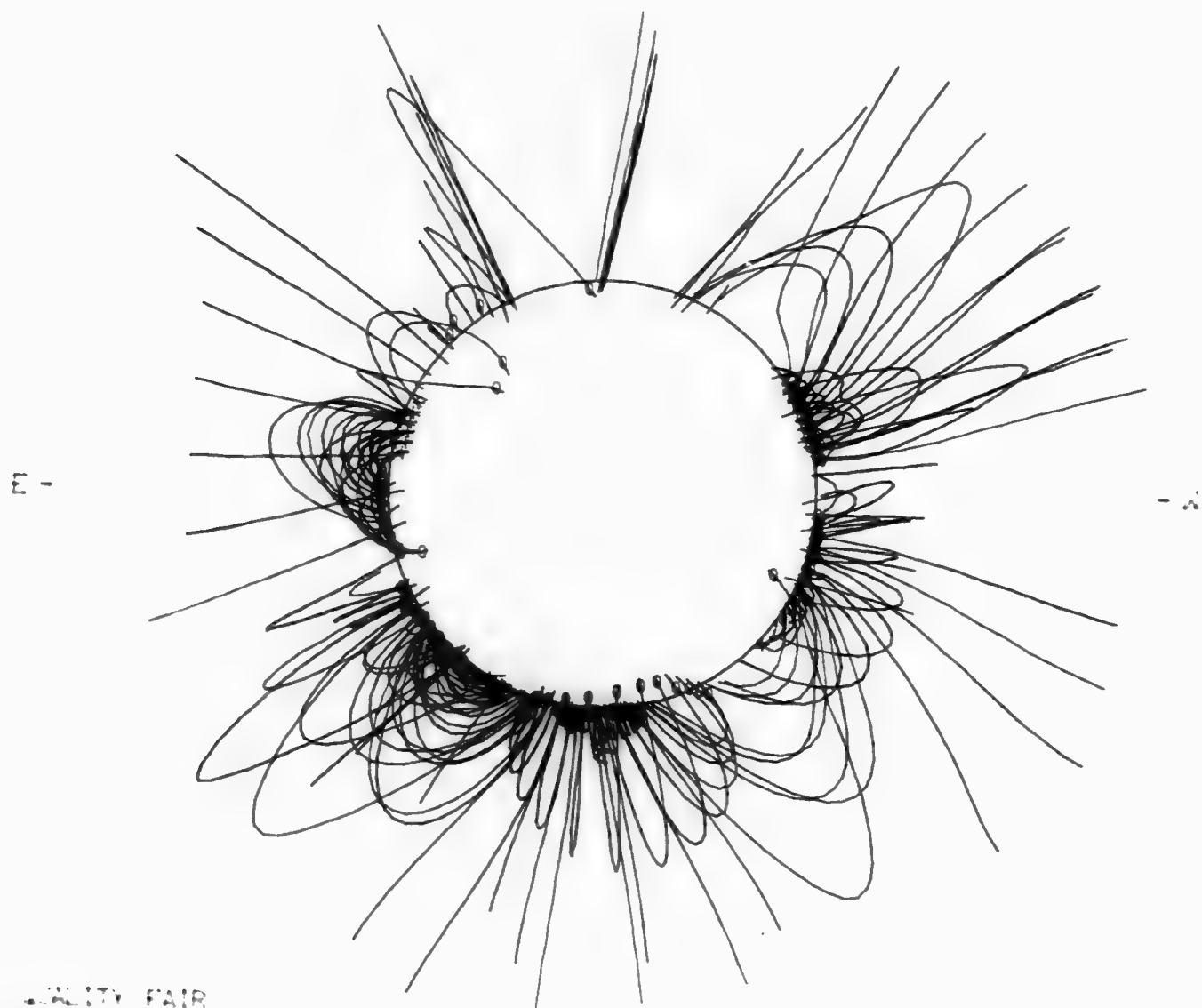
S

ROT. 1538

LONG. 11°

16.4 SEP 1968

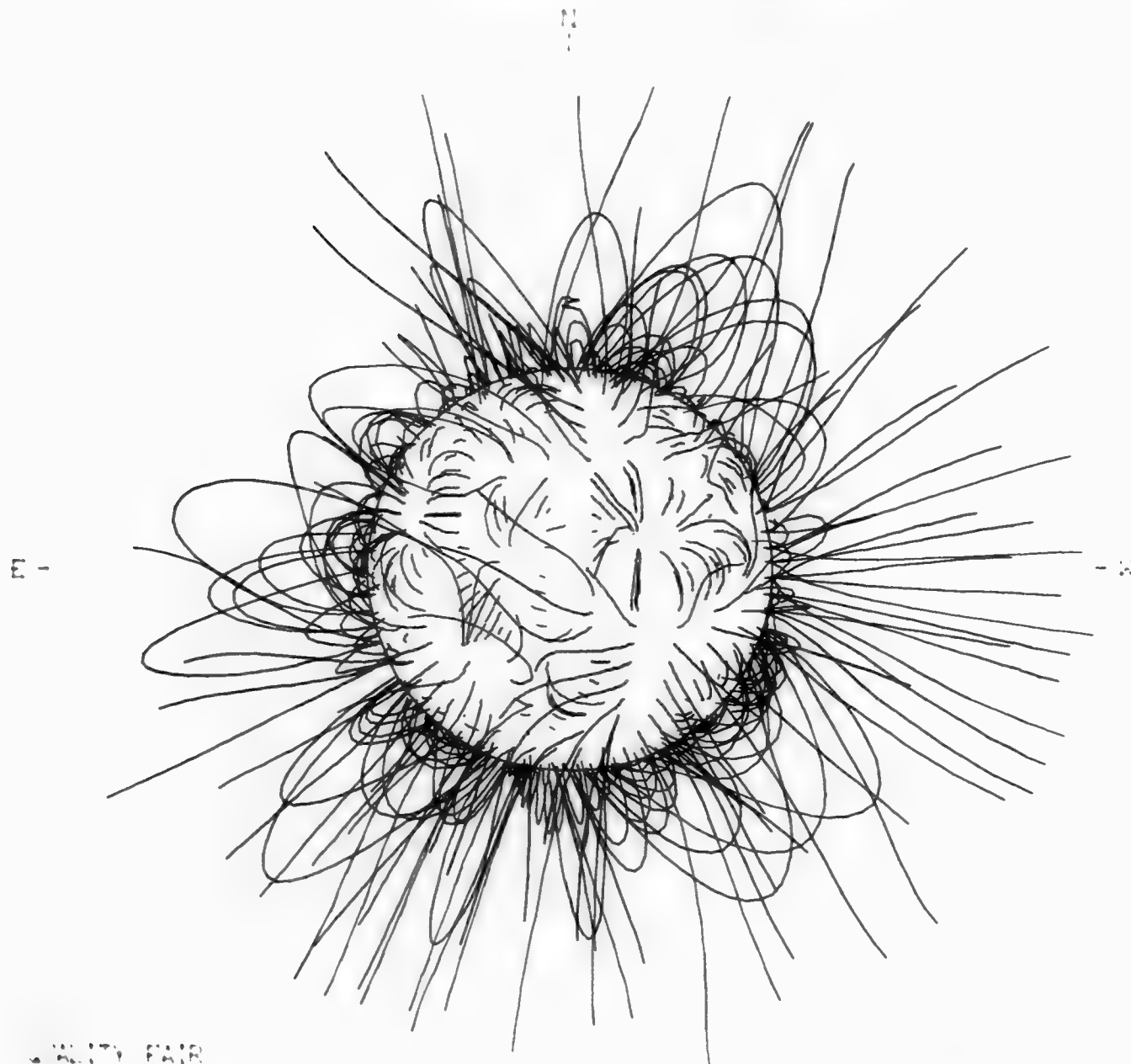
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES DIRECT
 DATA WITHIN 1538.47

ROT. 1538 2110. 10°
 15.4 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

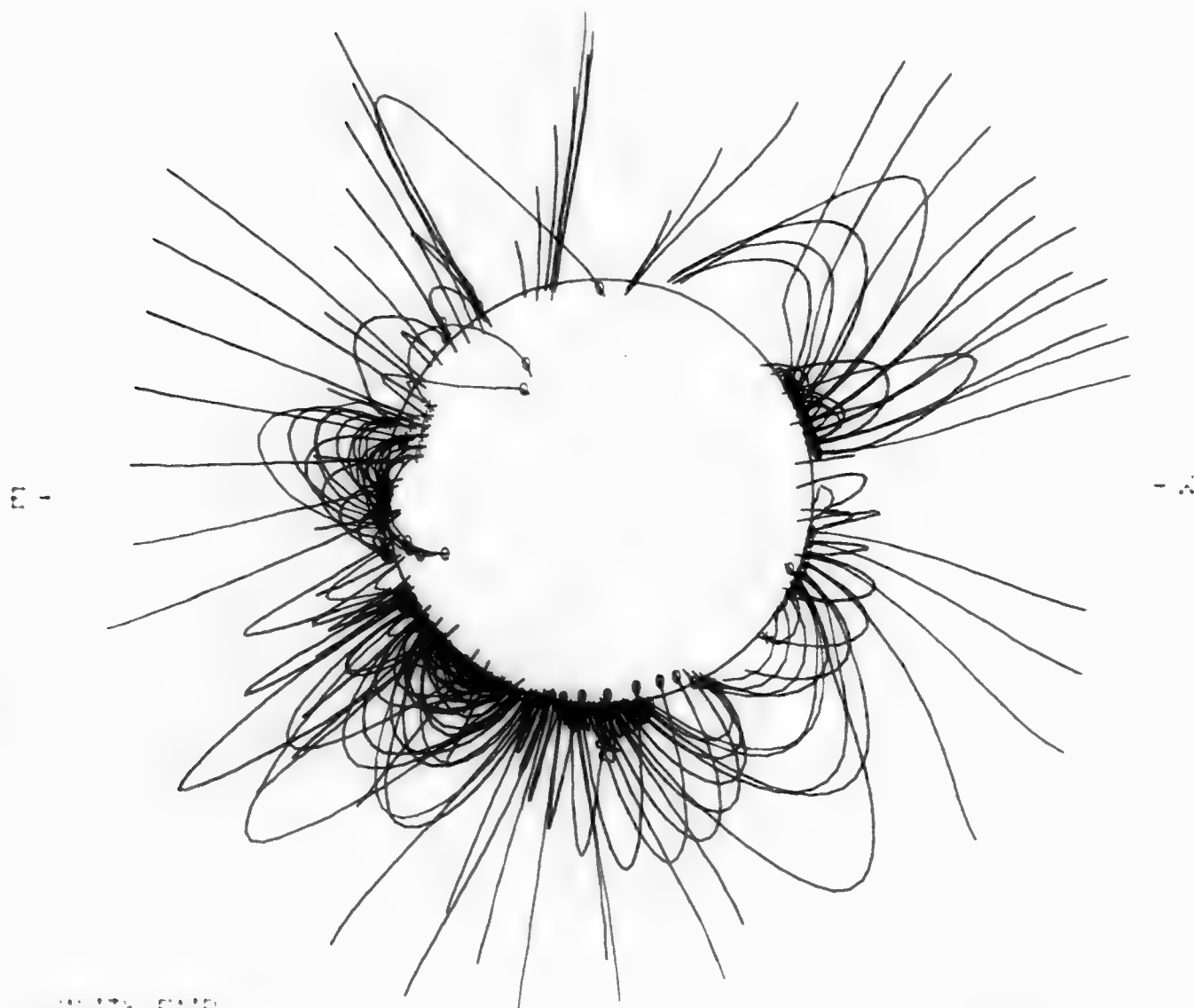
POLES DIRECT

DATA WIDE IN '538.47'

RCT. 1538 LONG. 1°

17.1 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALBANY, PAIR

PALES DIRECT

CATA WINDON 1538.47

3

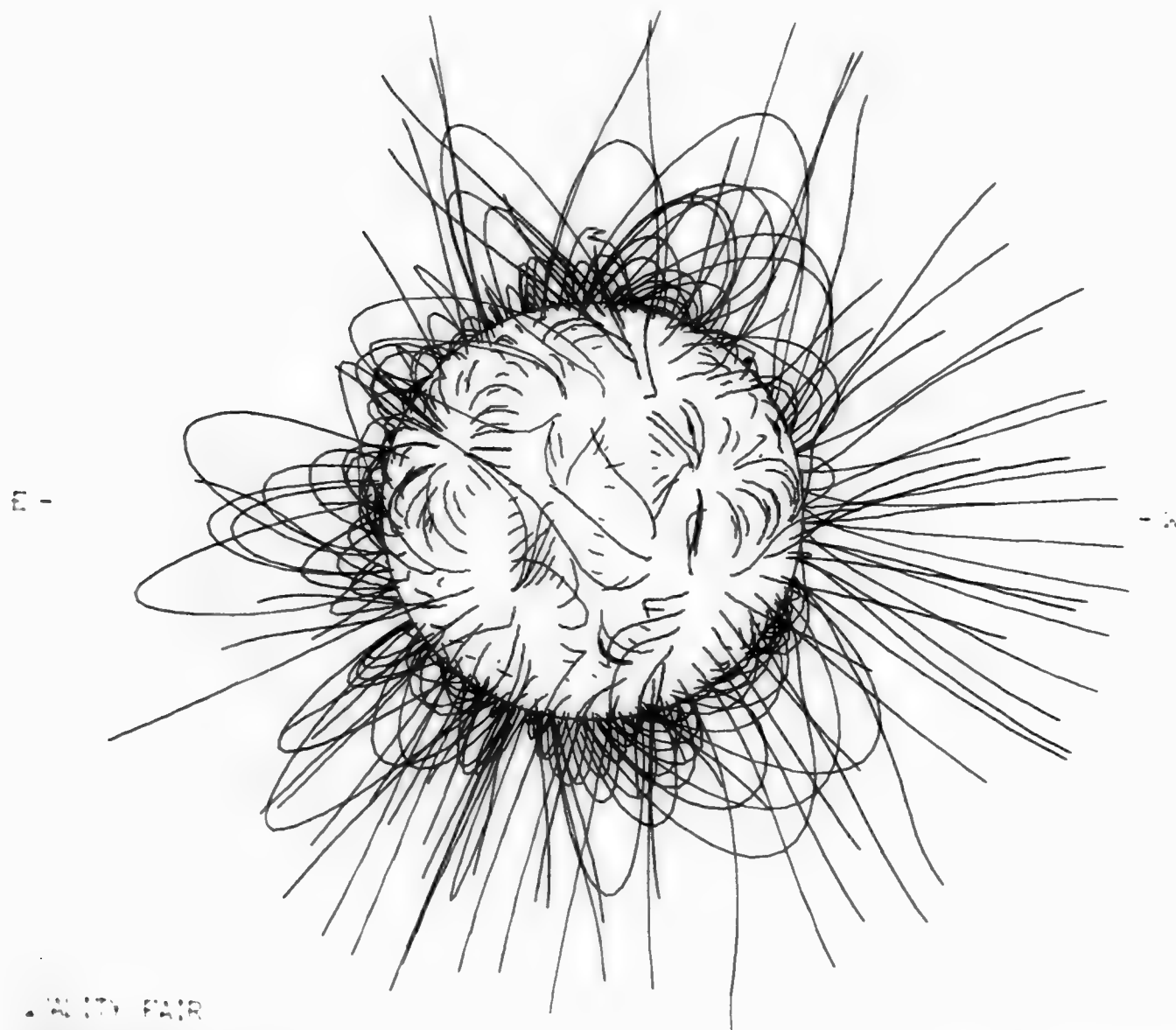
9.7. 1934

10.10.

11.1. 1935

1.1.1935

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

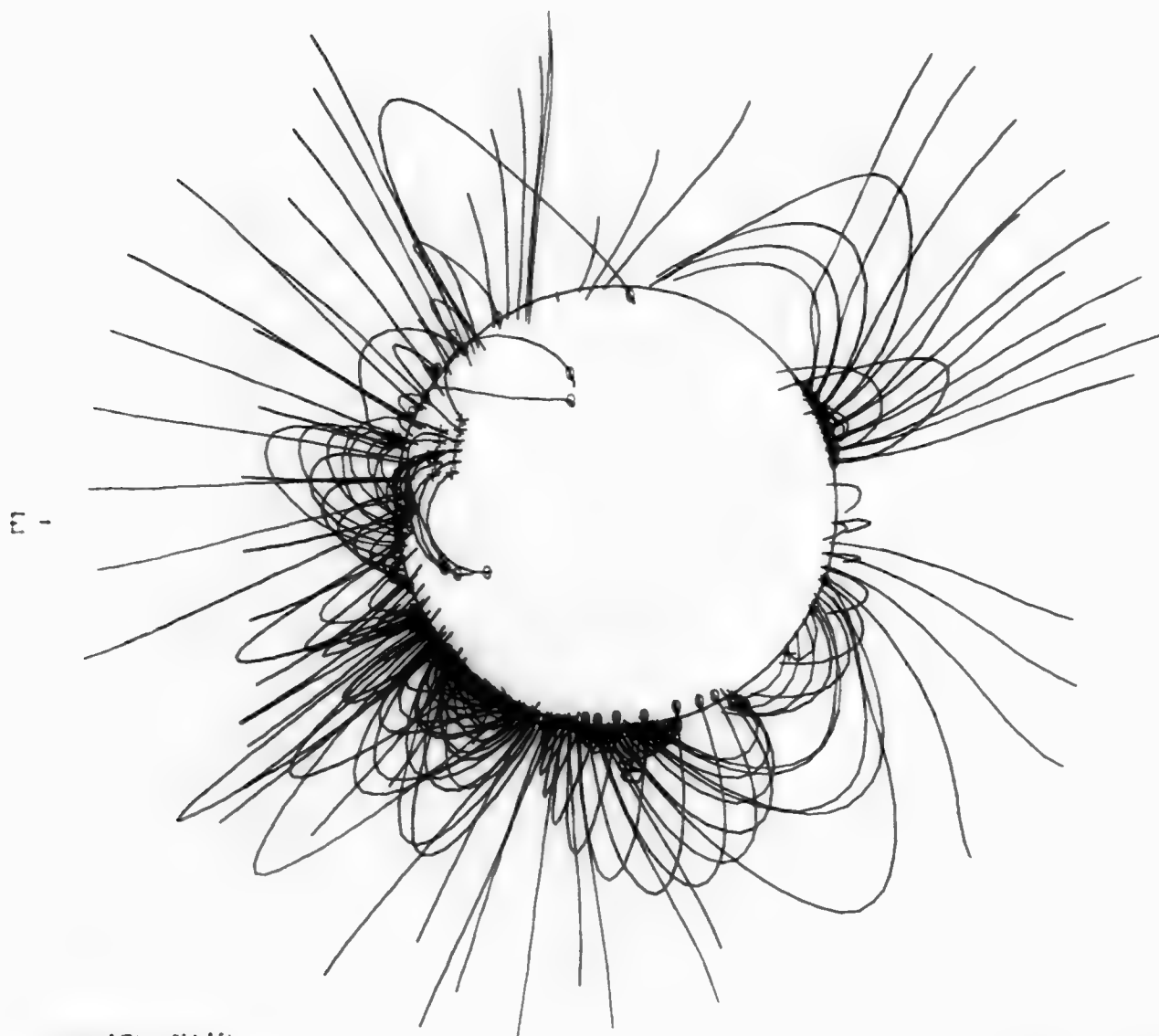
DATA NUMBER 1538.47

S

RUT. 1538 1010. 351°

17.9 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

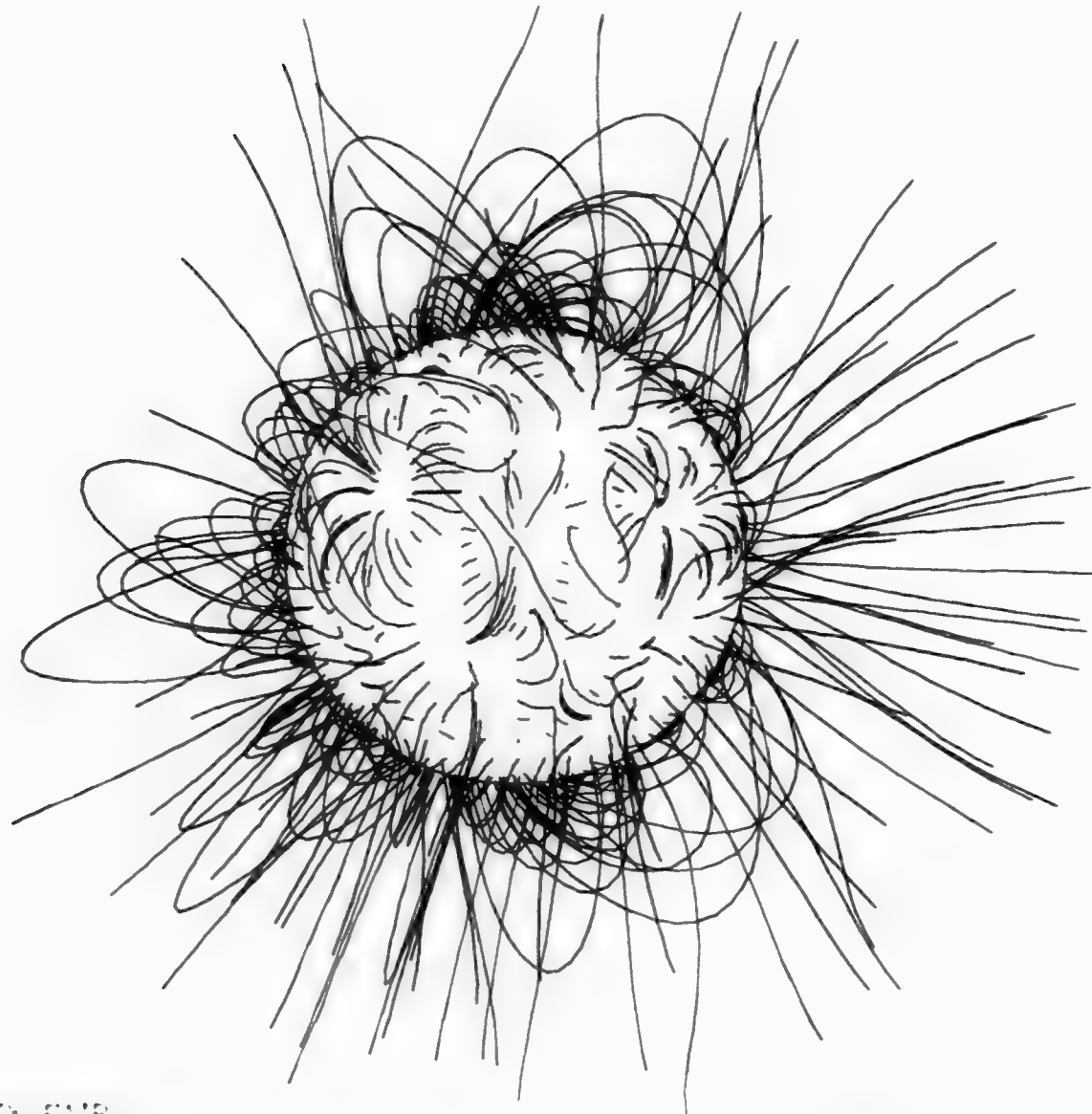


QUALITY FAIR
 FILES DIRECT
 DATA W/IN 1538.47

S

RUT. 1538- 1538.55
 17.5 SEP 1966

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

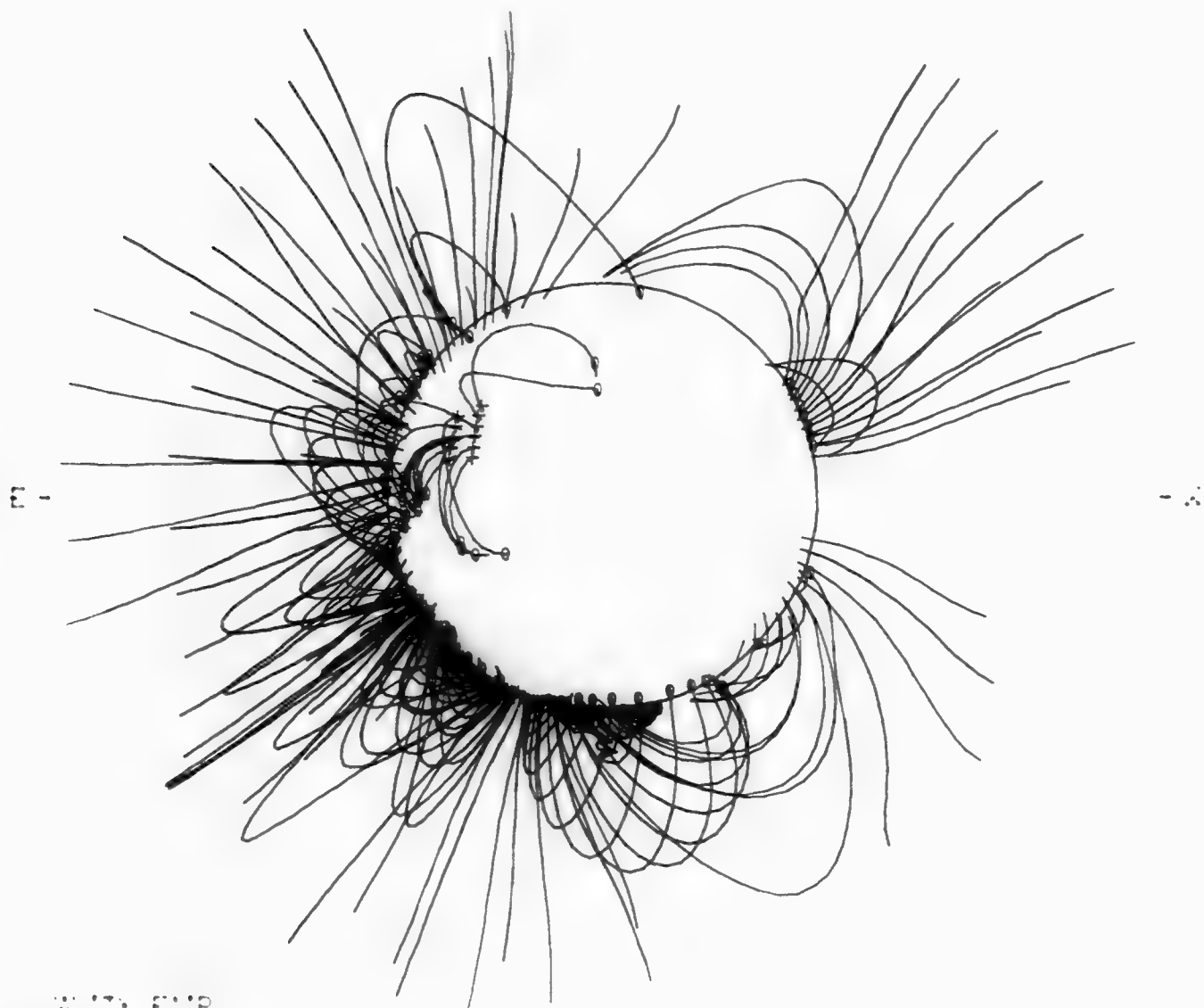
DATA WINDOW 1538.47

S

RLT. 1539 LING. 340°

18.6 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

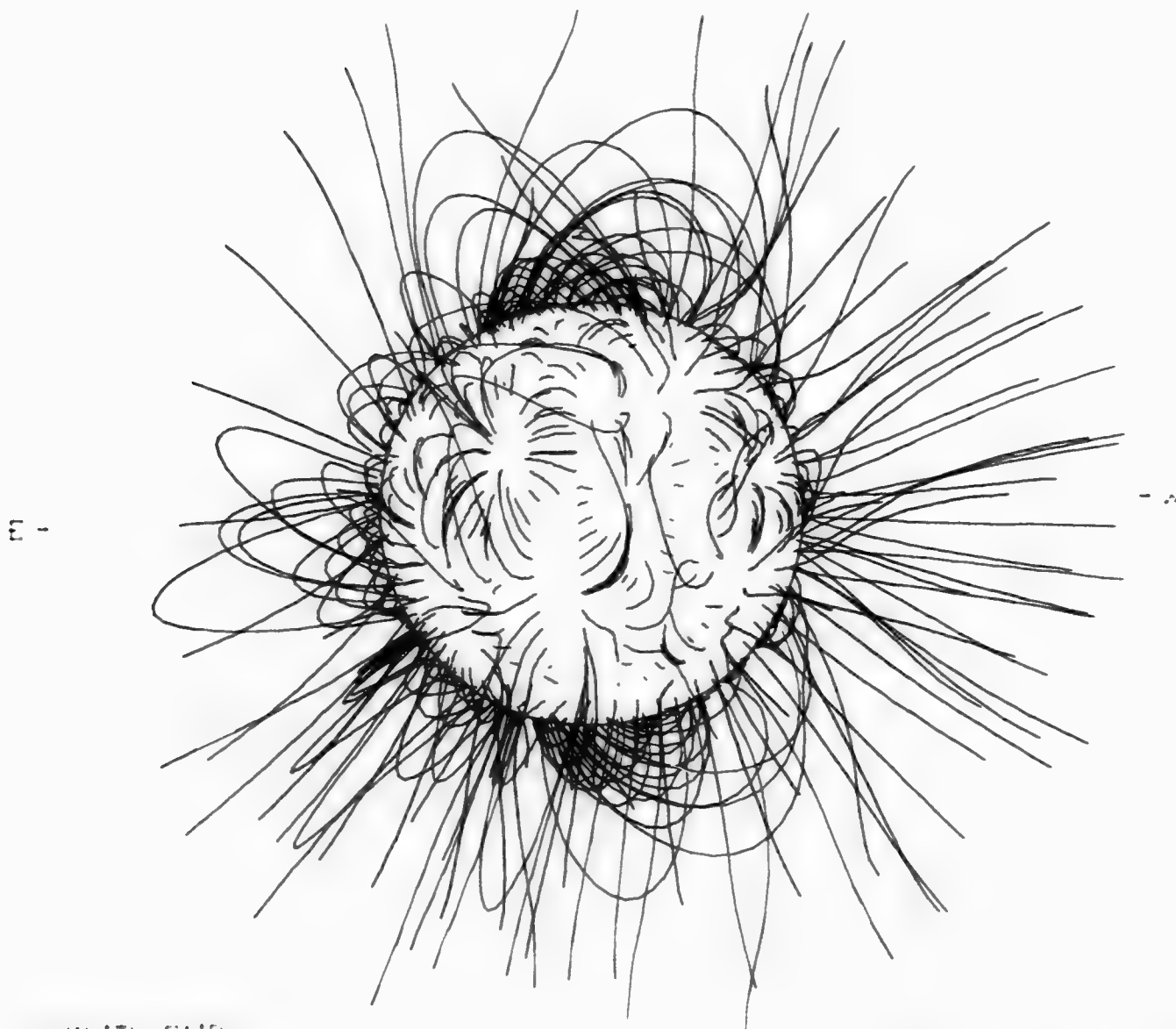
POLES DIRECT

DATA WINDOW '538.47

8.7. '53- 10.0. 540°

'8.6 SEP '568

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

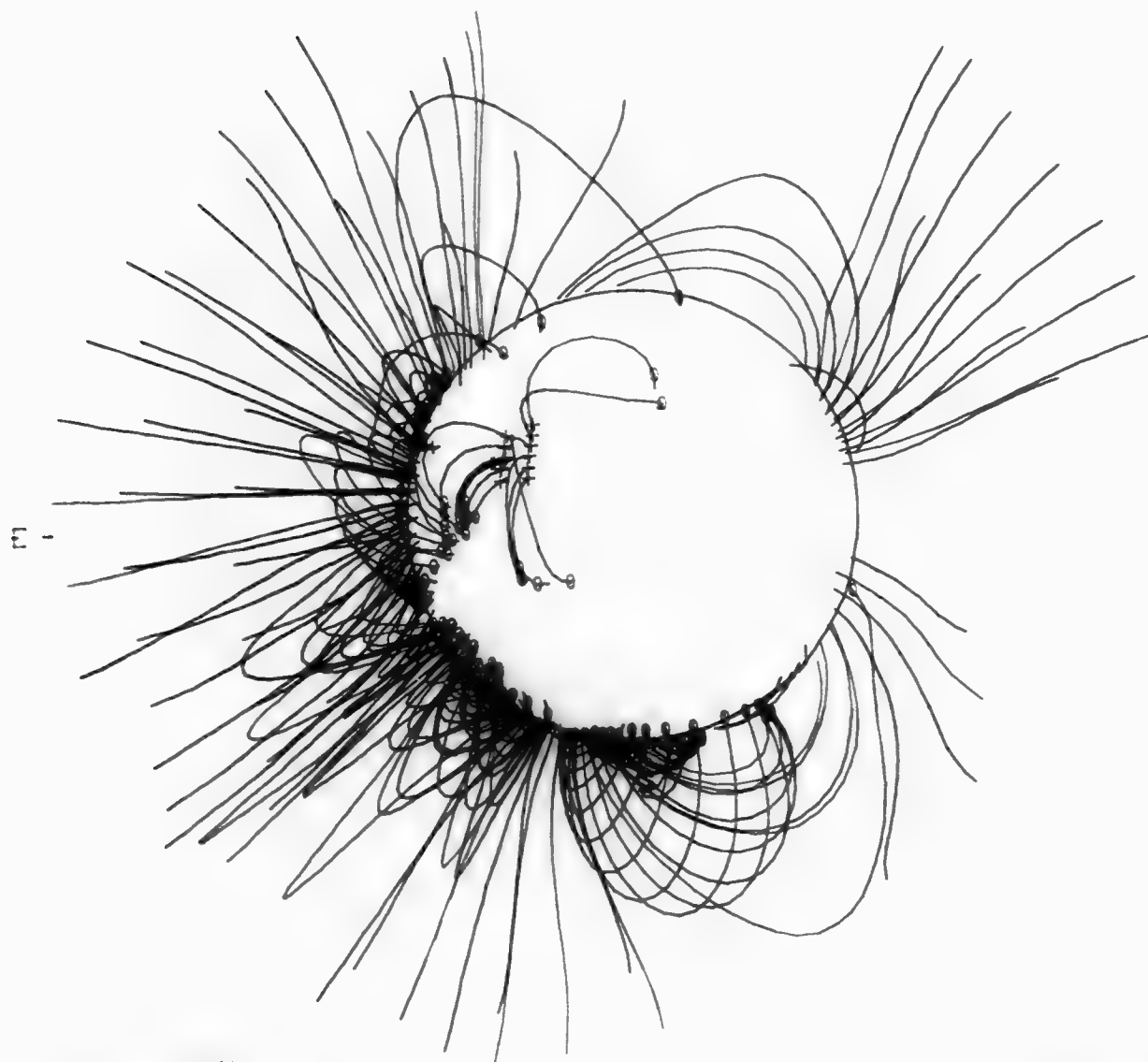


QUALITY FAIR
 POLES DIRECT
 DATA AREA 1538.47

S

507.1534 1110.351
 14.4 SEP 1968

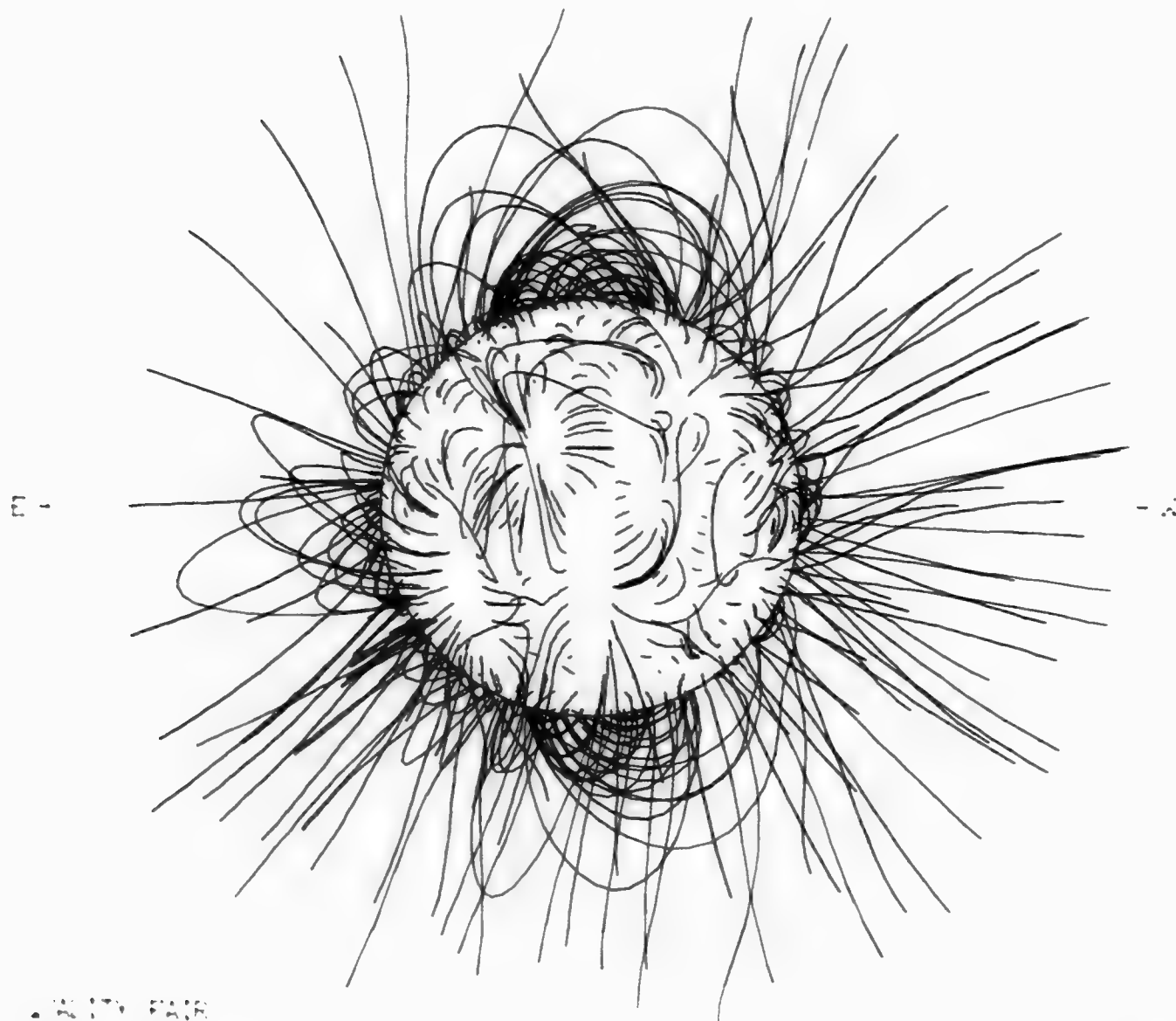
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 FIELD DIRECT
 DATA AREA 1538.4"

RLT. 1539 2110.35"
 19.4 SEP 1966

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



W. R. FAIR

PO BOX 1180

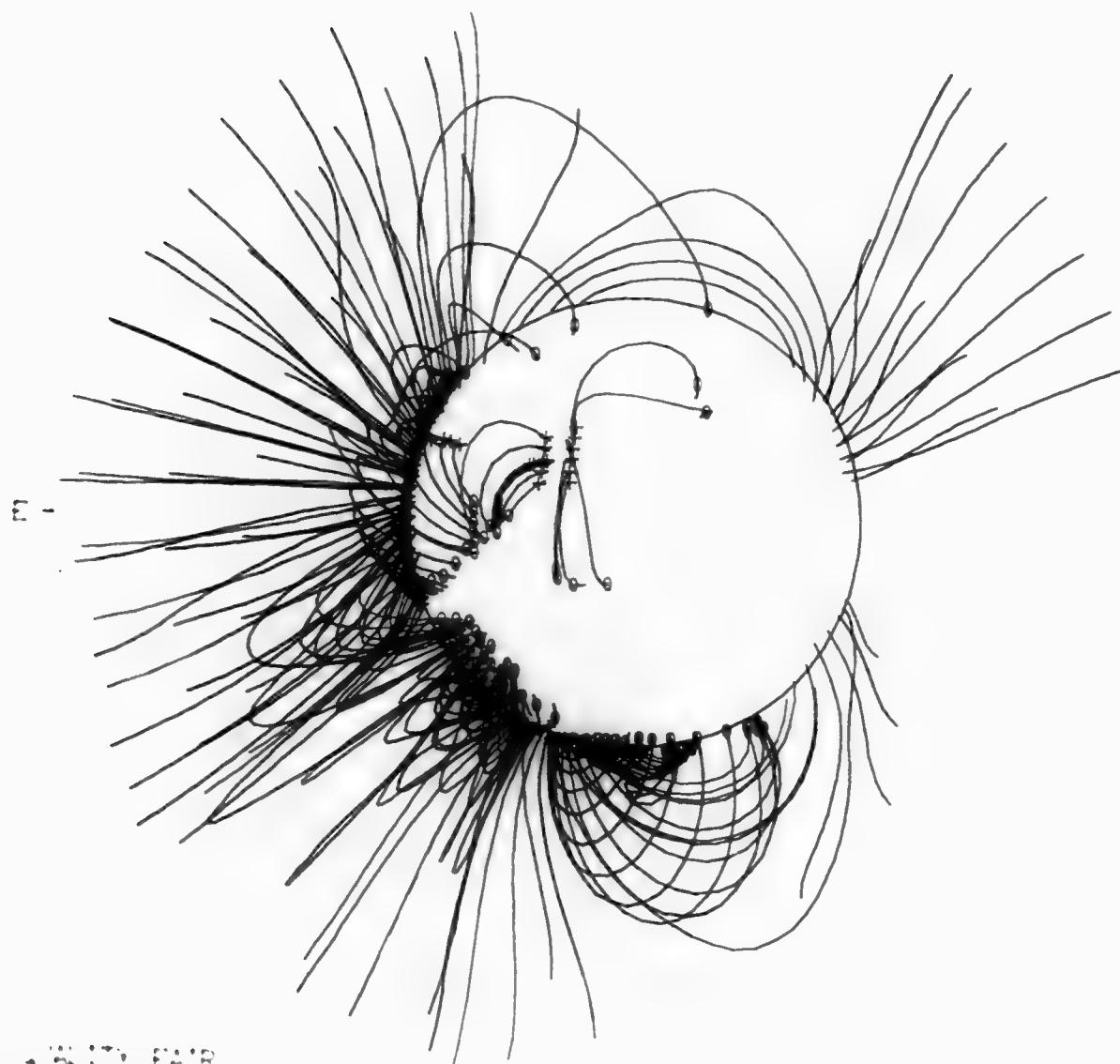
DATA CENTER 1538.4

S

R.T. 1534 LUG. 300°

10.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

PLACES DIRECT

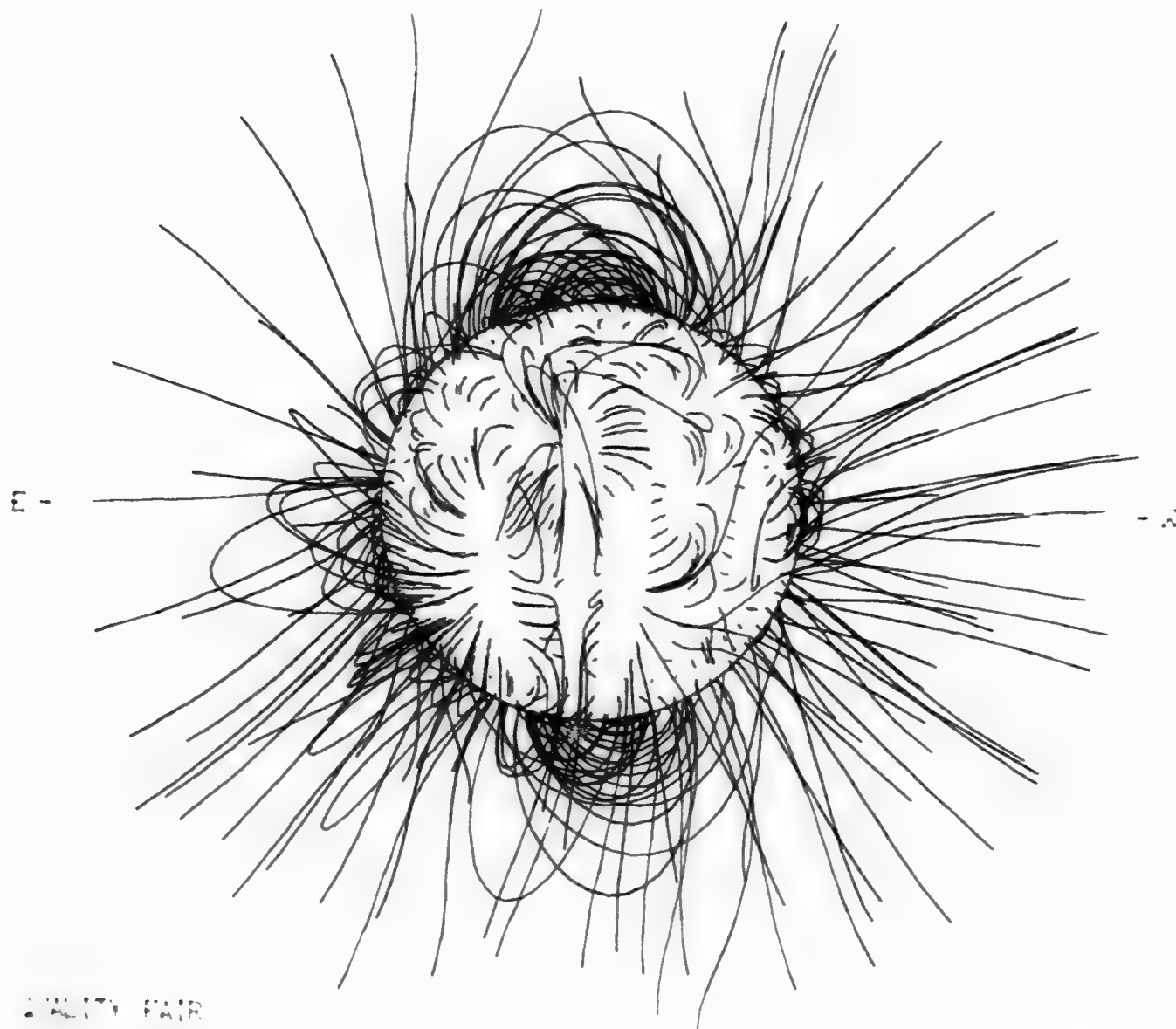
DATA NUMBER 1538.47

S

ROT. 1539 LONG. 520°

20.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

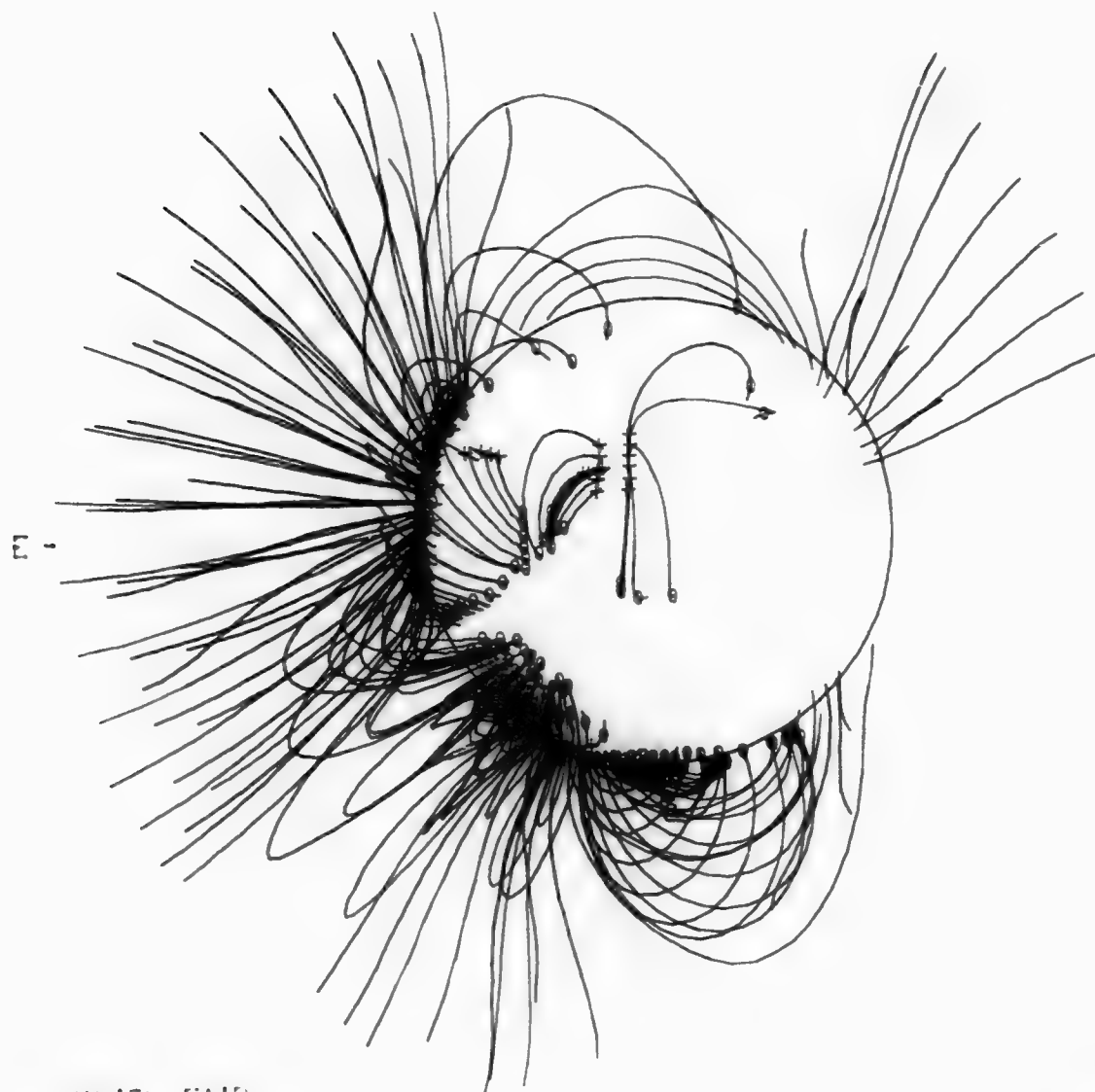


QUALITY FAIR
 POLES DIRECT
 DATA WIDE IN 1958.07

1
 3

RCT. 1554 1010. 311°
 20.4 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

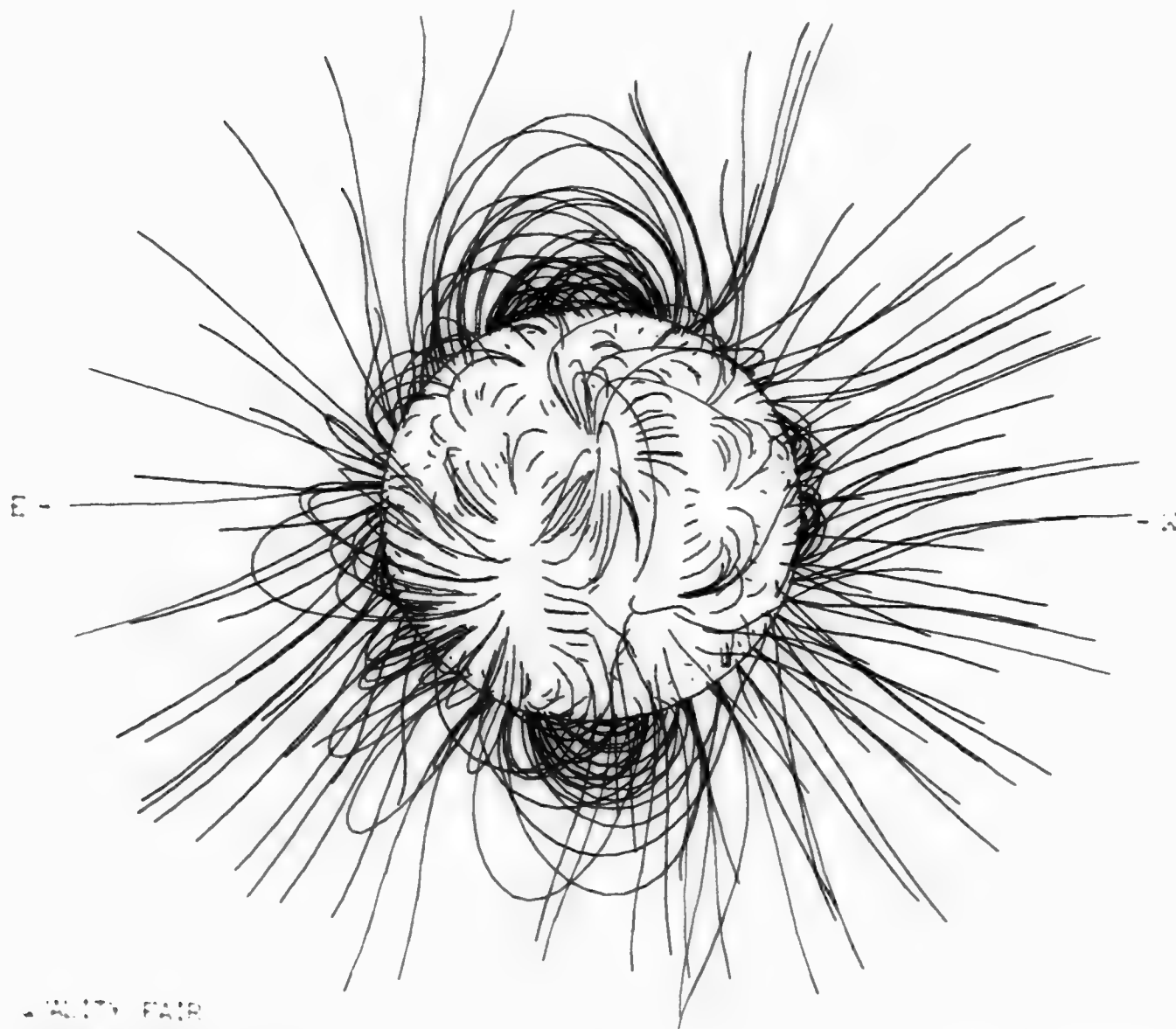


QUALITY FAIR
POLES DIRECT
DATA RECD ON 1958.5

S

R.T. 1953- 1958. 511
21.4 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

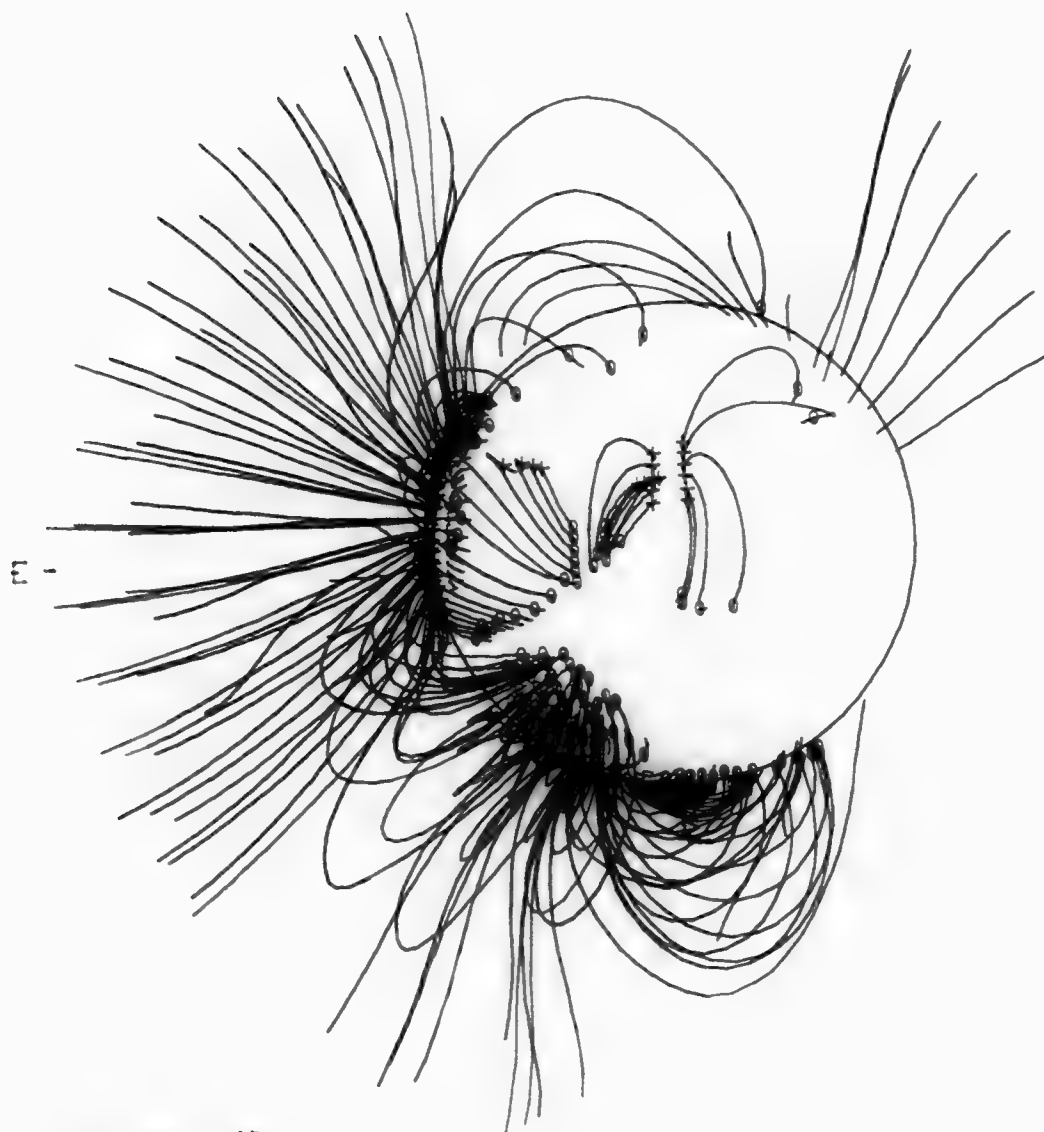


QUALITY FAIR
 POLES DIRECT
 DATA APRIL 1958.47

1
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8.7. 1958 21.13. 500°
 11.7 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

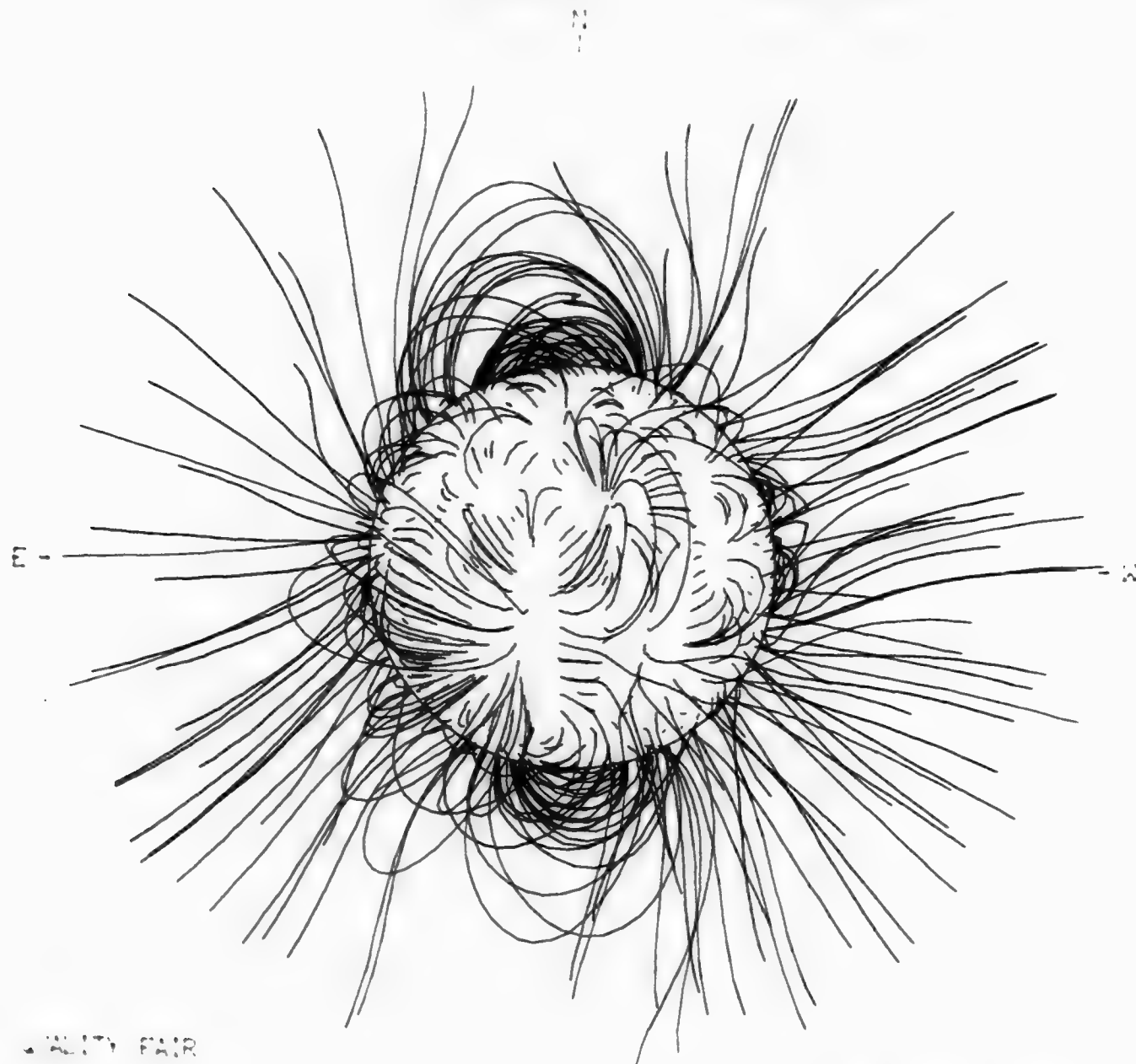


QUALITY FAIR
 RULES DIRECT
 DATA WITHIN 1538.47

S

ROT. 539 LONG. 300°
 21.7 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

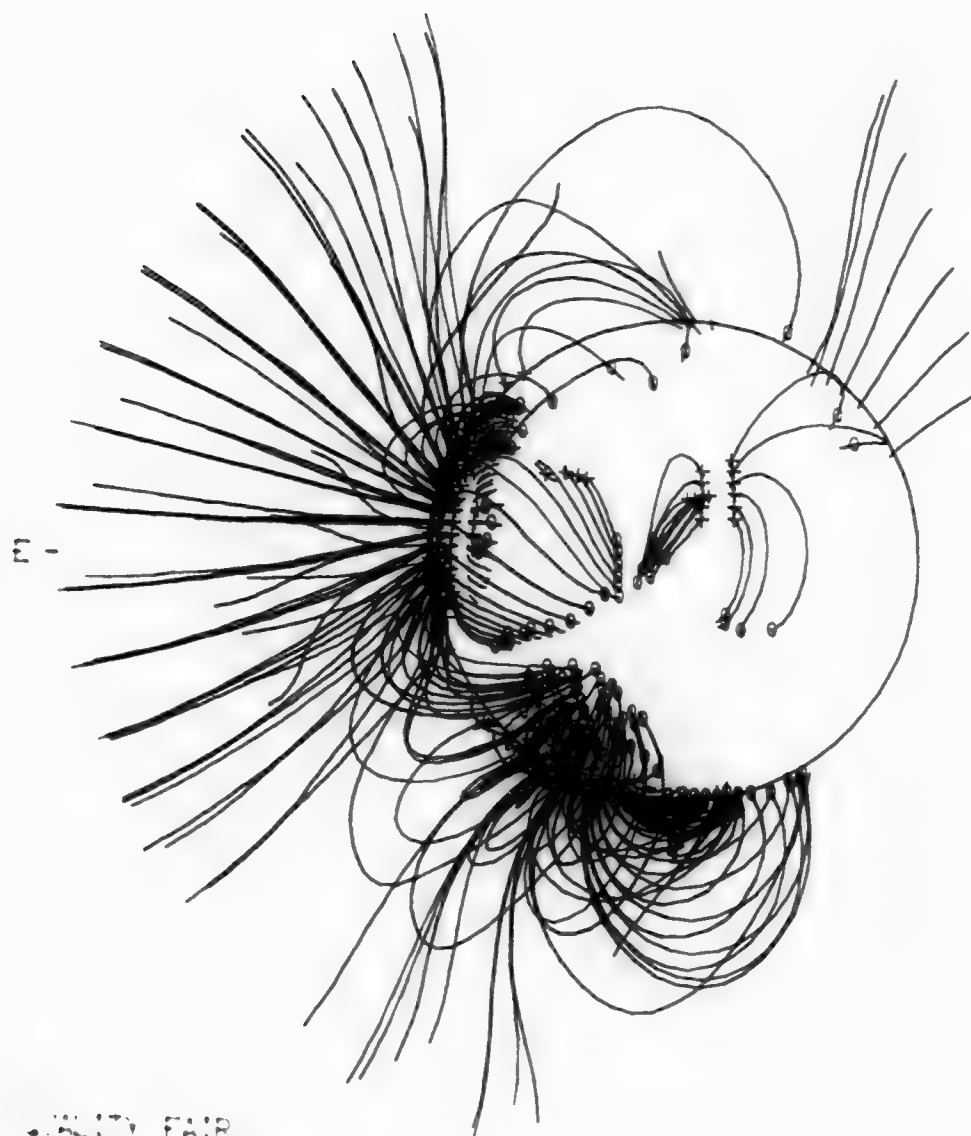


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1538.47

1
S

RJT. 1539 LONG. 290°
22.4 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

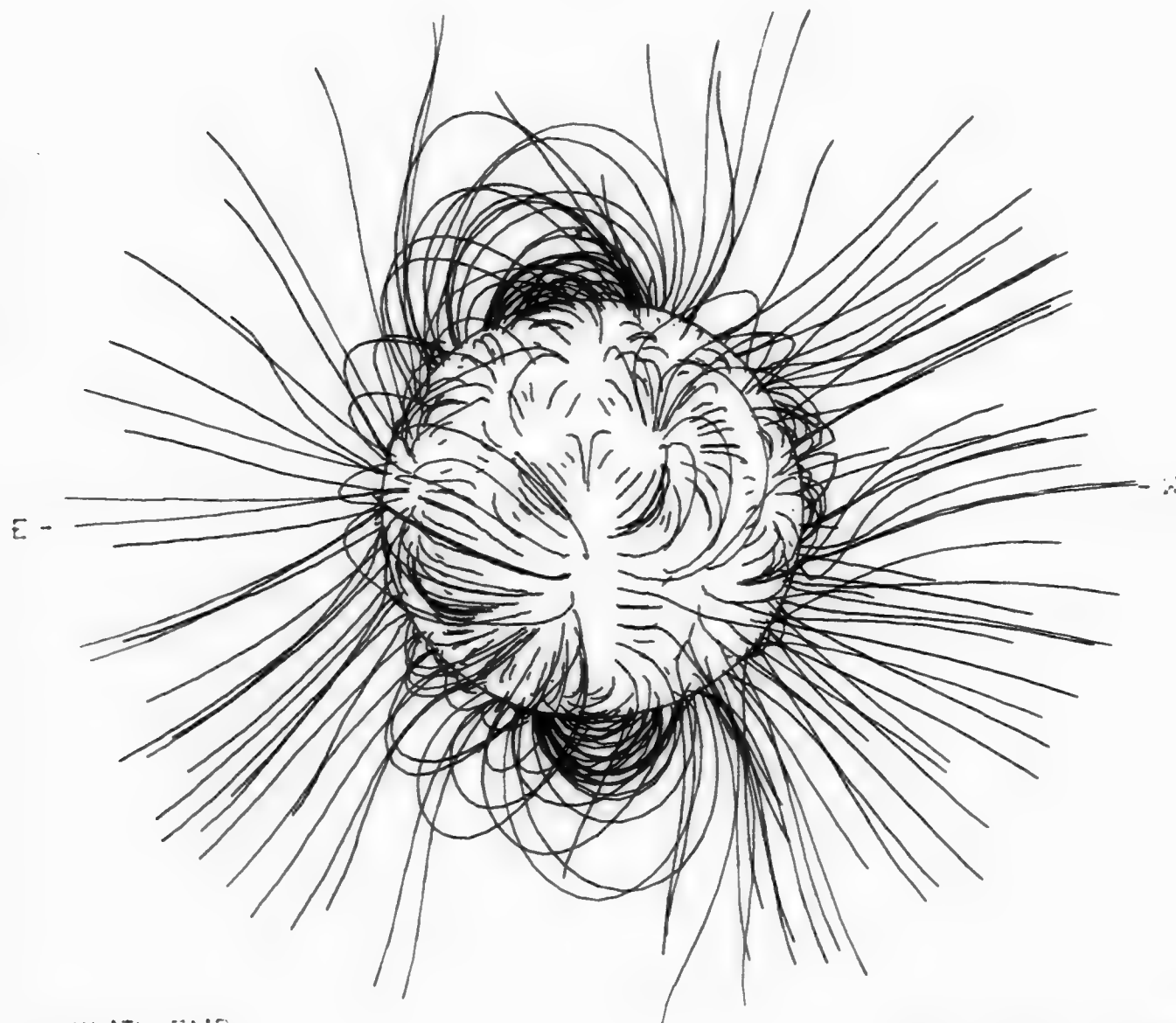
DATA NUMBER 1538.47

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ROT. 1539 2113.240

22.4 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILES DIRECT

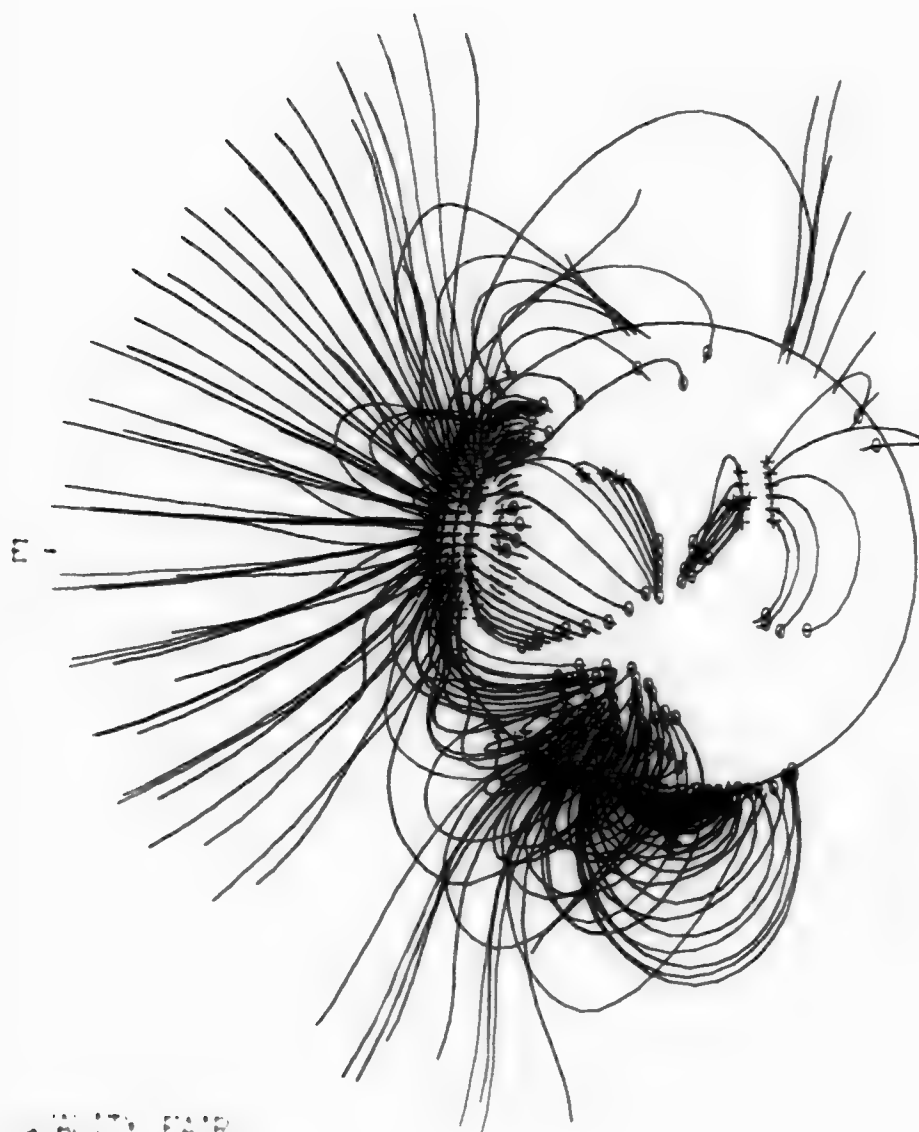
DATA WIND ON 1538.47

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ROT. 1539 LONG. 281°

23.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

FILED DIRECT

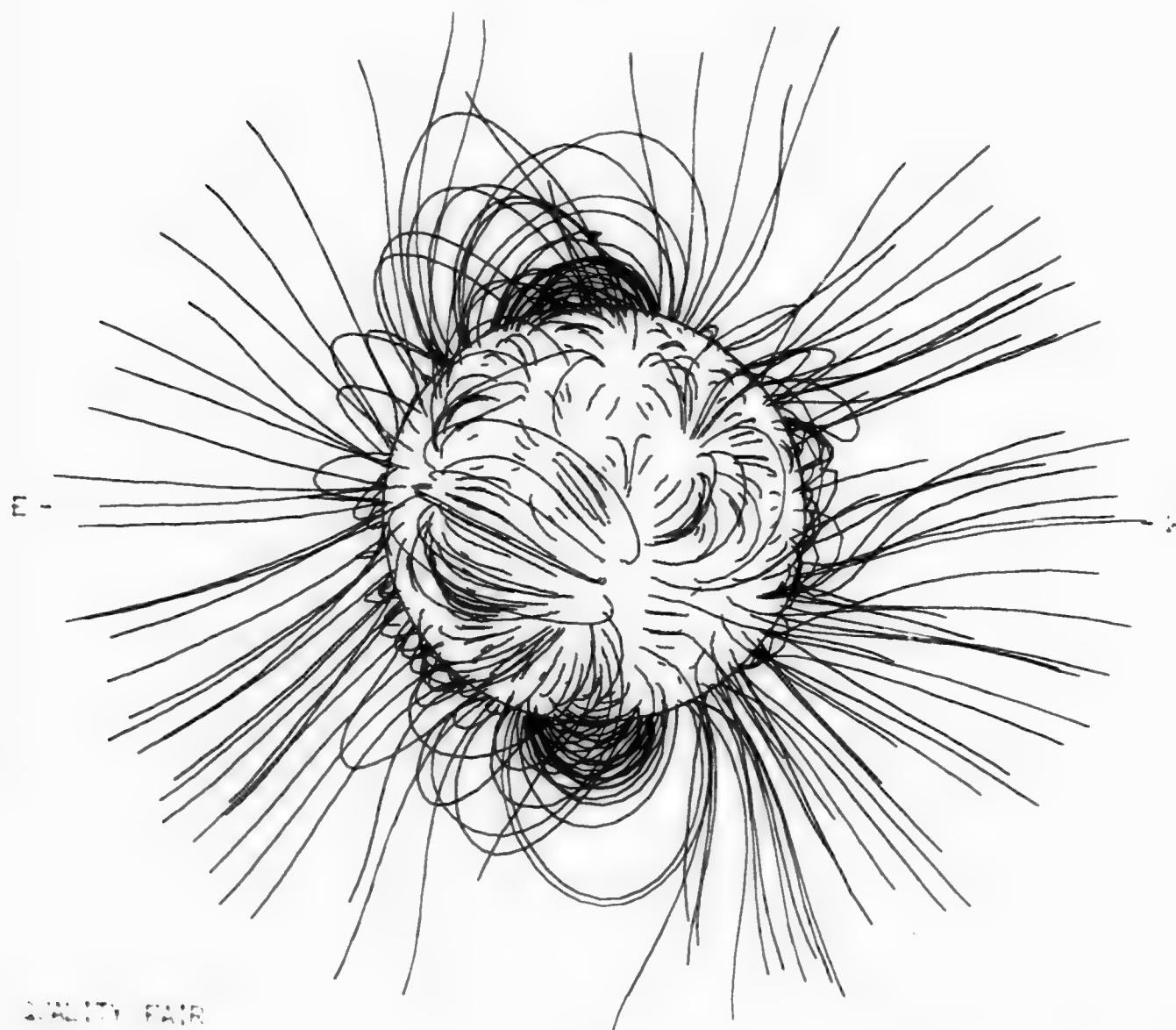
DATA AND/OR 1538.47

S

ROT. 1539 LONG. 281°

23.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDON 1958.47

S

RJT. '534 LUG. 27:°
23.4 SEP 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

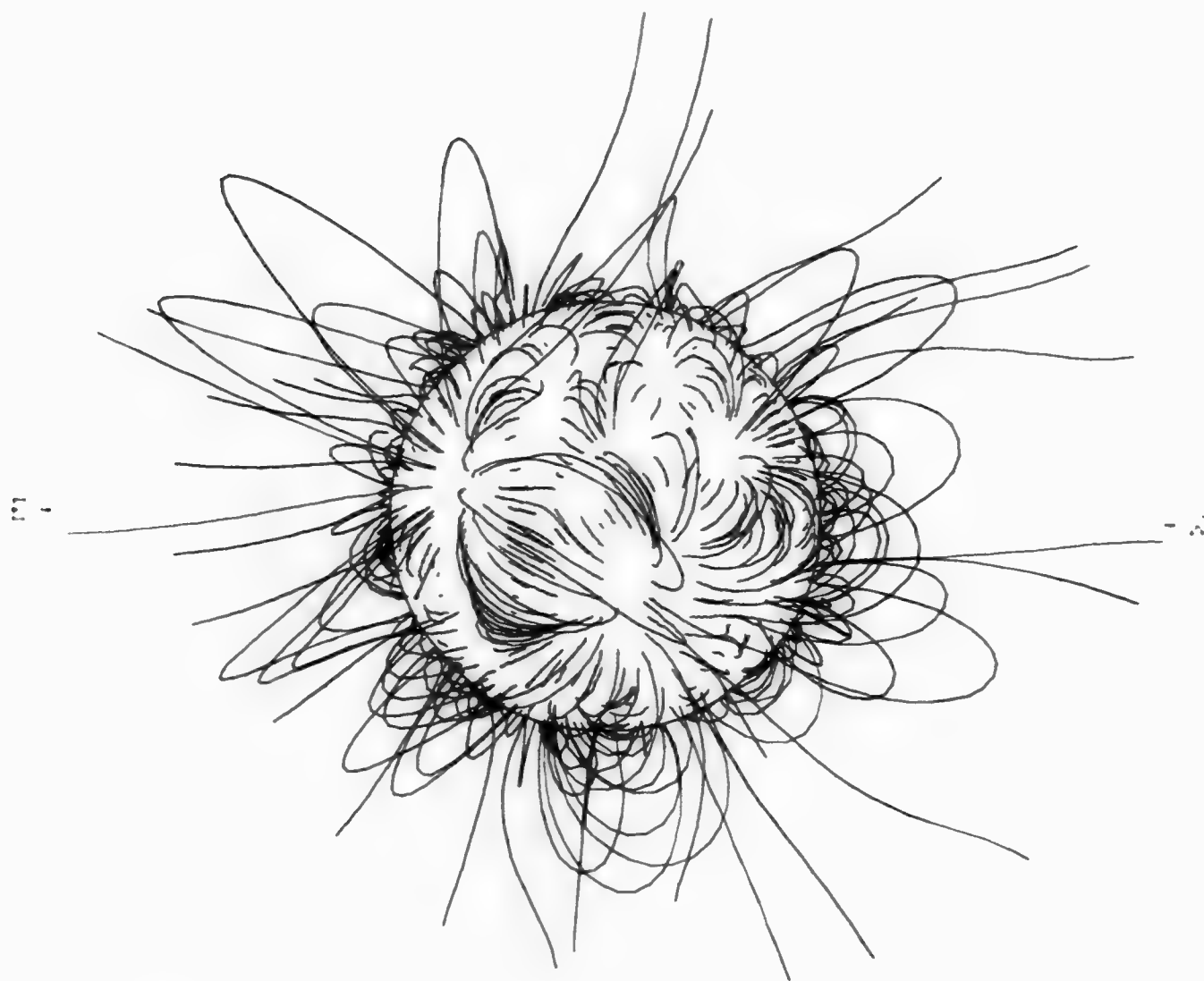
CATA. AREA. 1958.11

S

207. 153. 101. 170.

23.9 SEP 1968

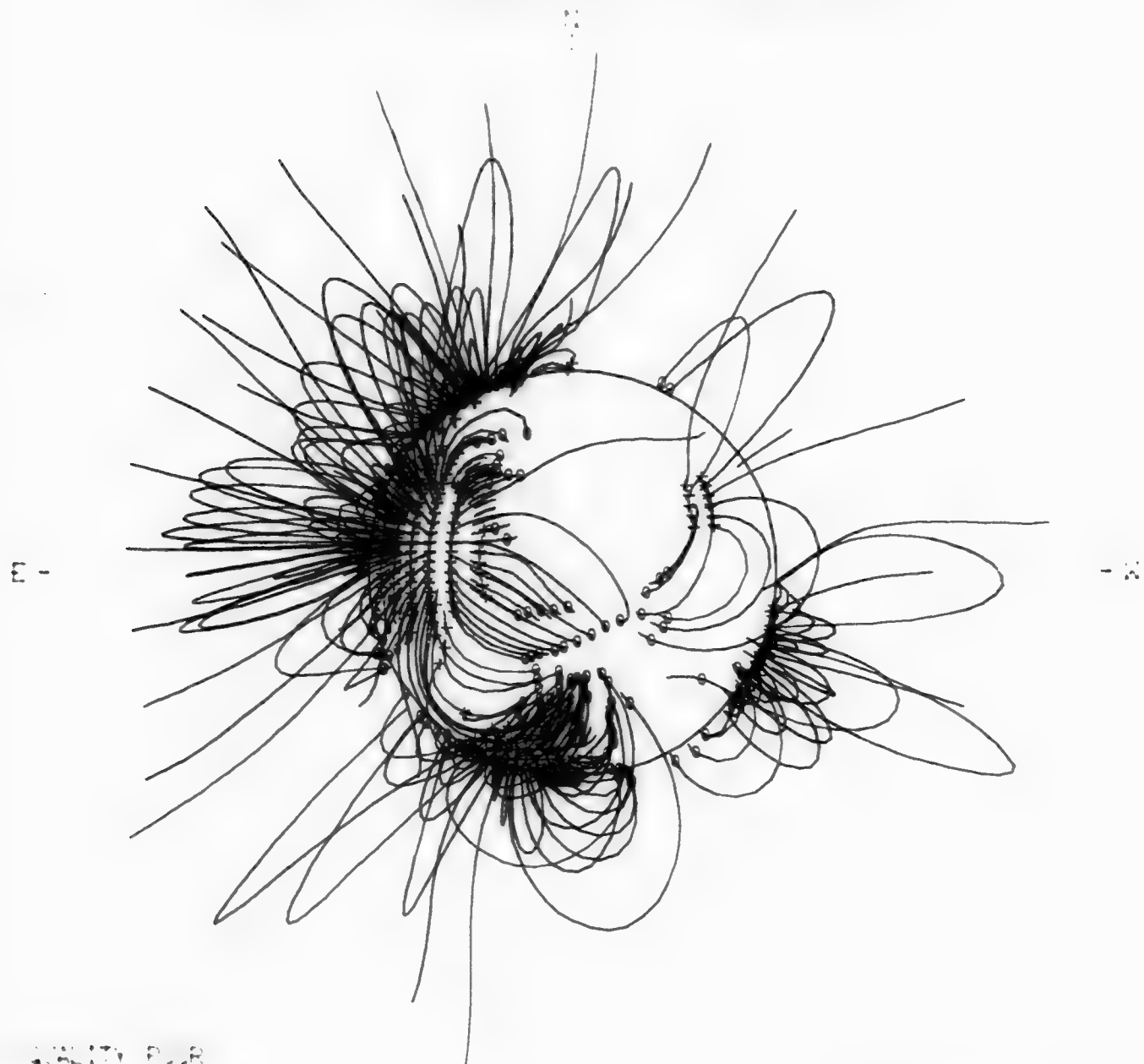
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



100% PWR
 100% CRED
 DATA 100% 100%

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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

FILES DIRECT

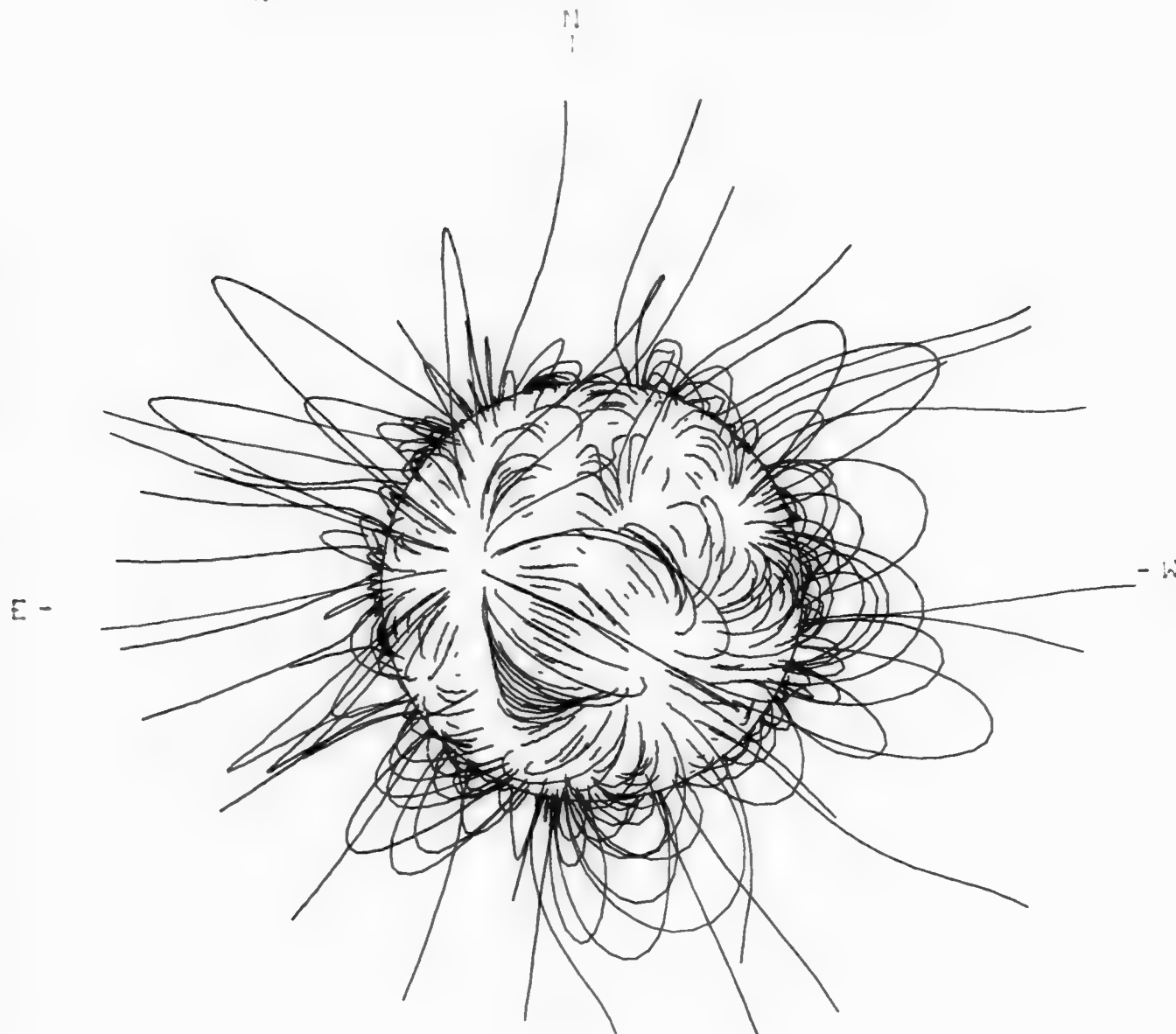
DATA WINDOW 1534.00

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RJT. 1534 LONG. 24.7

24.7 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

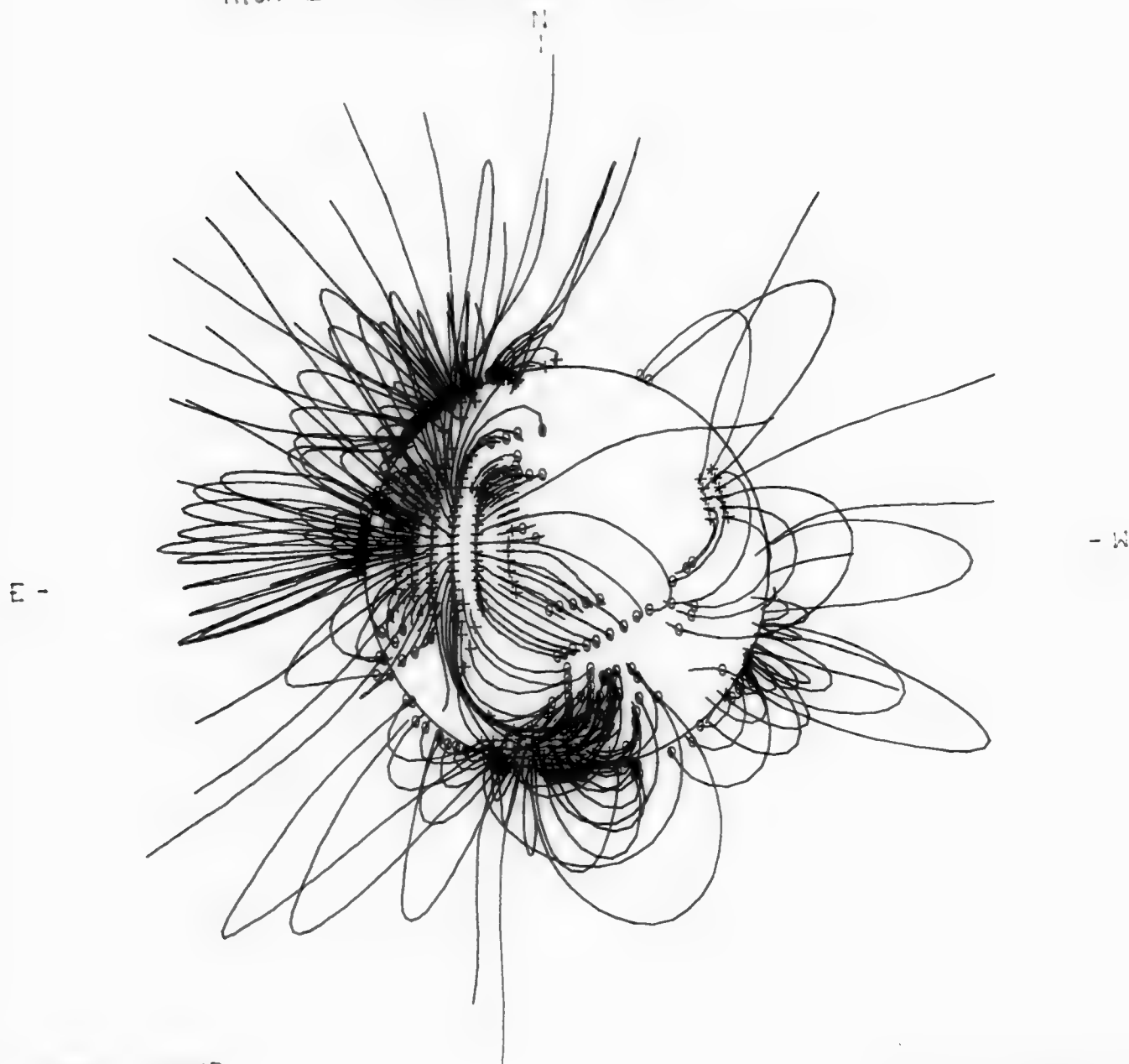
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 250°

25.5 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

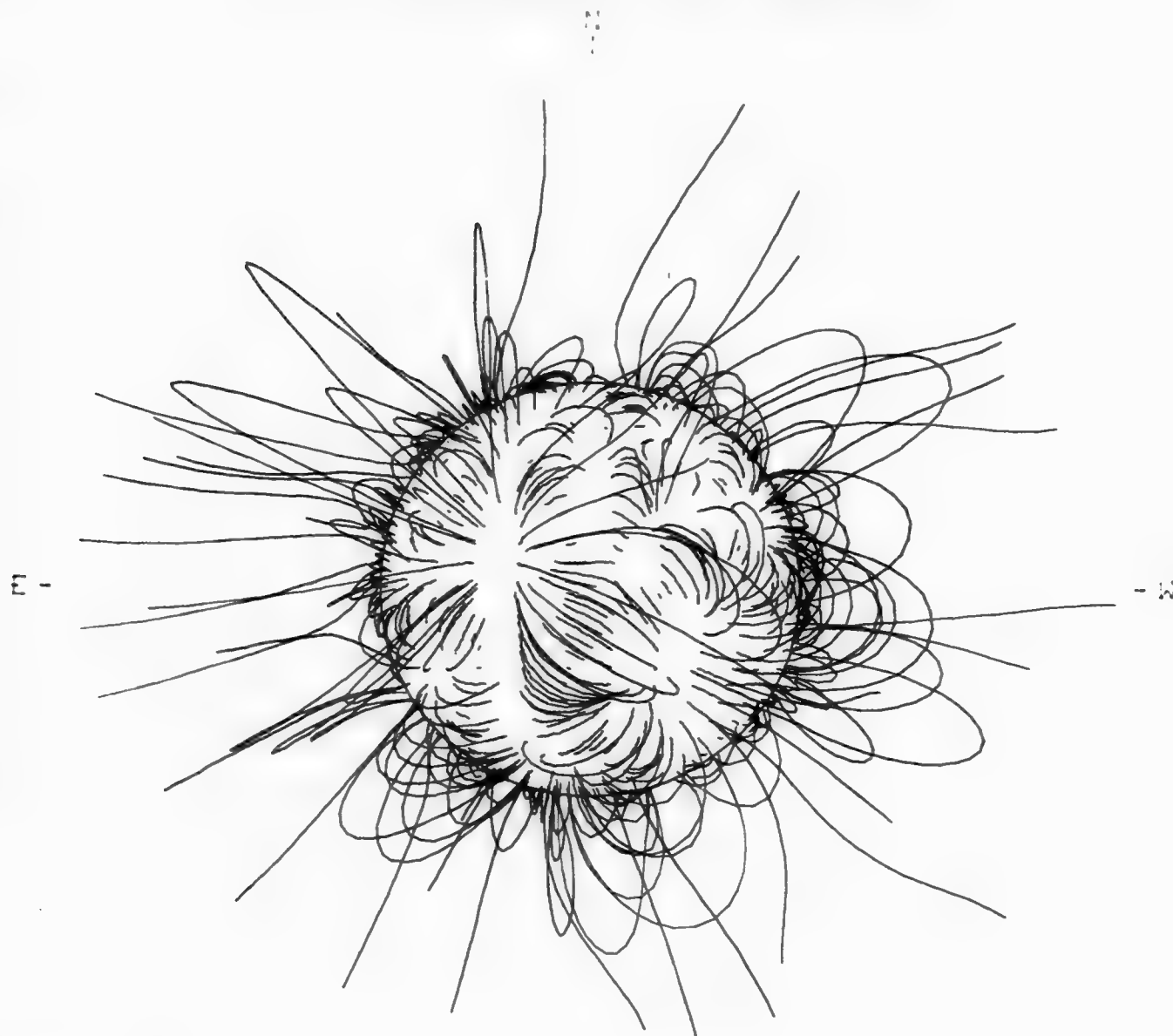


QUALITY POOR
POLES DIRECT
DATA WINDOW 1539.00

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ROT. 1539 LONG. 250°
25.5 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

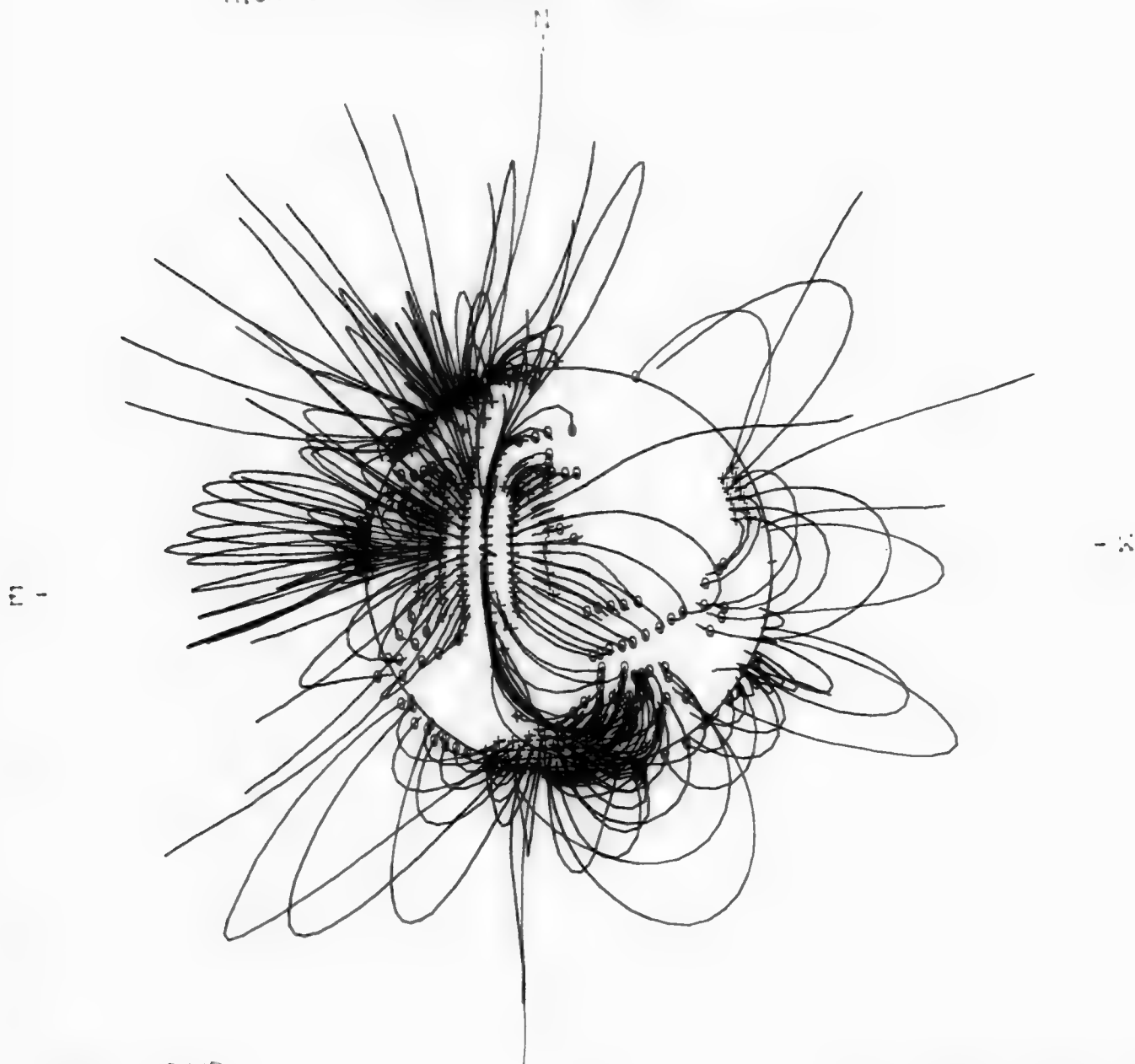
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 240°

26.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



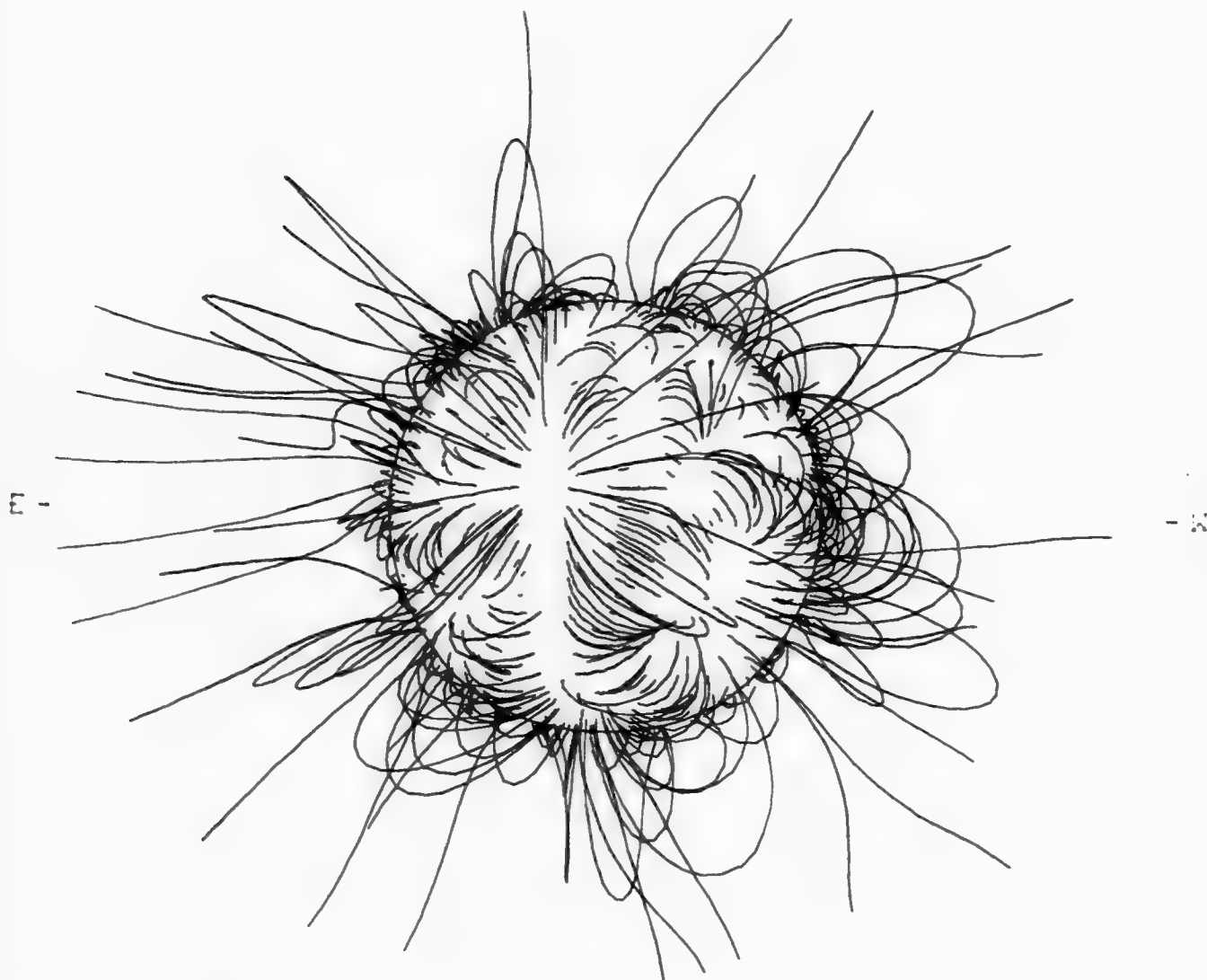
QUALITY POOR
POLES DIRECT
DATA AROUND 1530.00

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RET. 1530 LONG. 241°
26.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY PLOT

FILED DIRECT

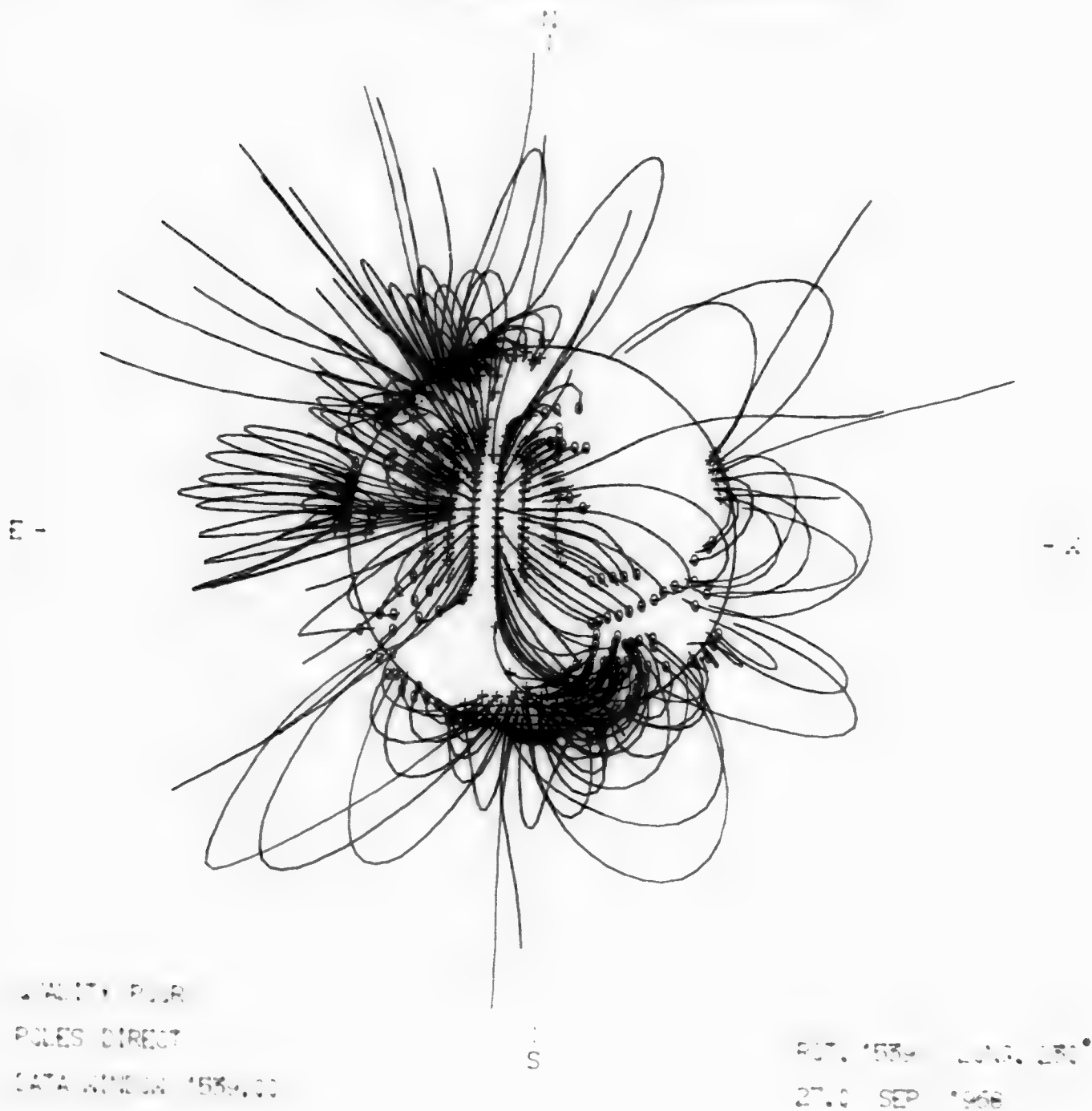
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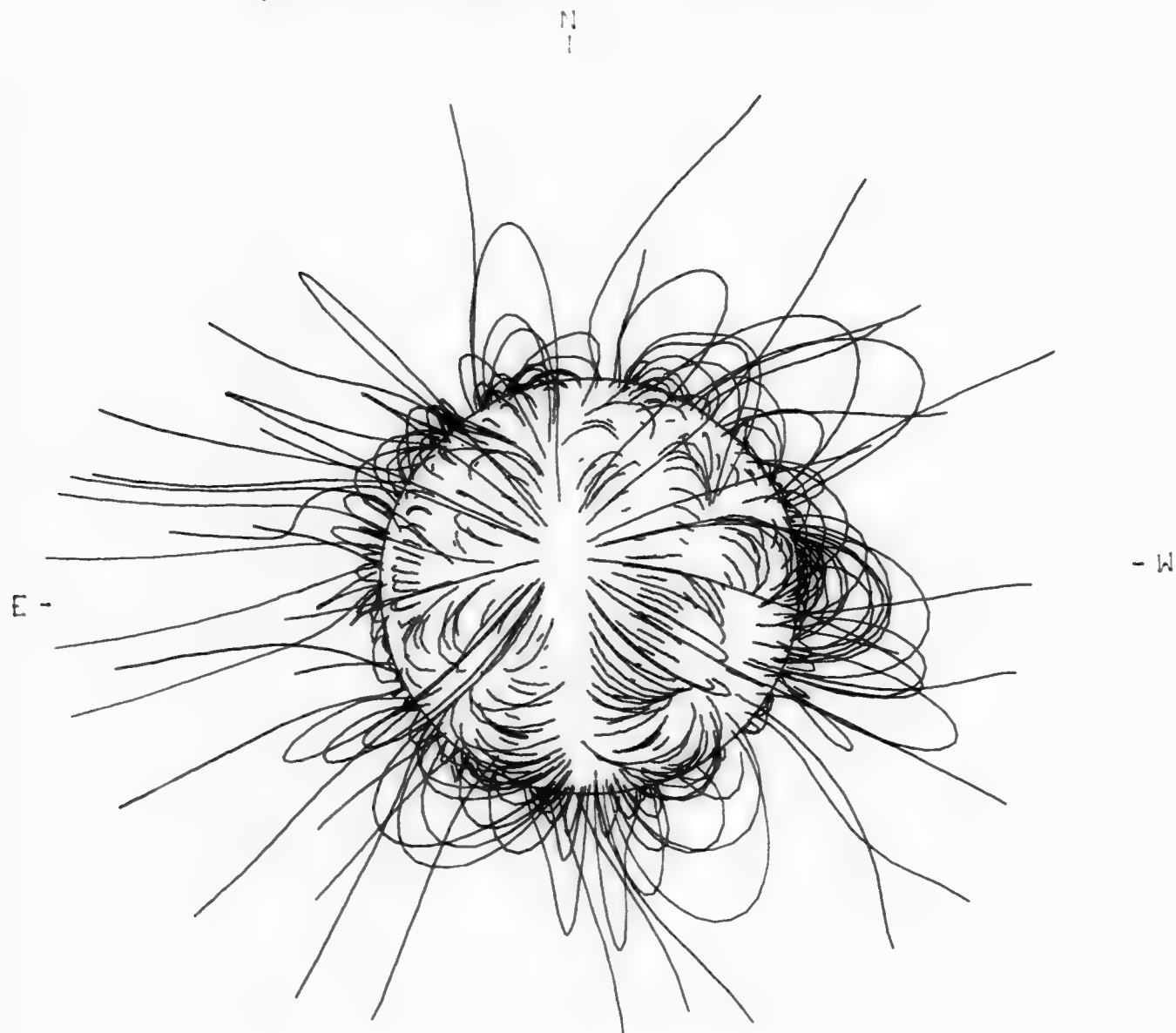
ROT. 1539 LONG. 230°

27.0 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

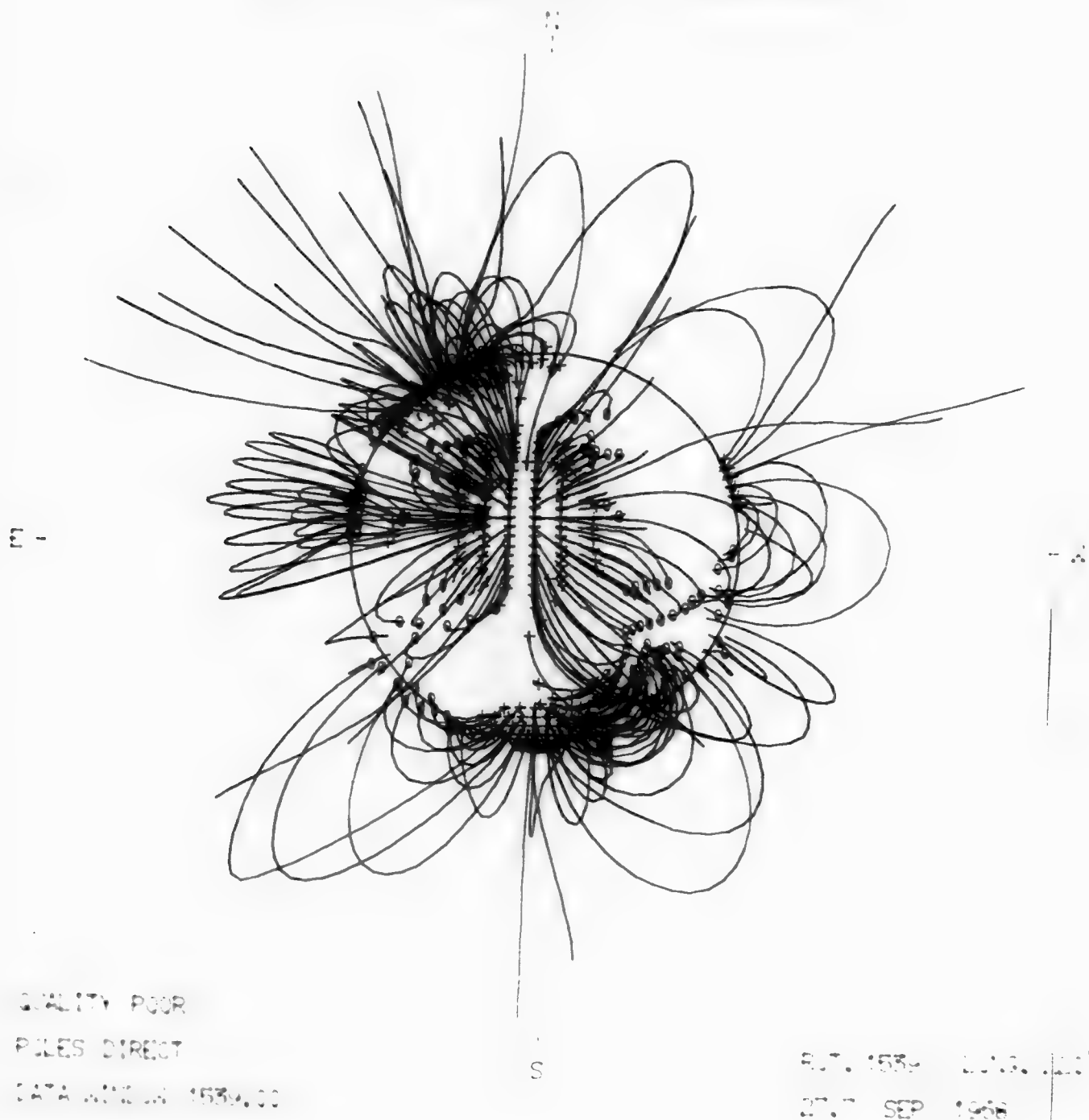


QUALITY POOR
POLES DIRECT
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 220°
27.7 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



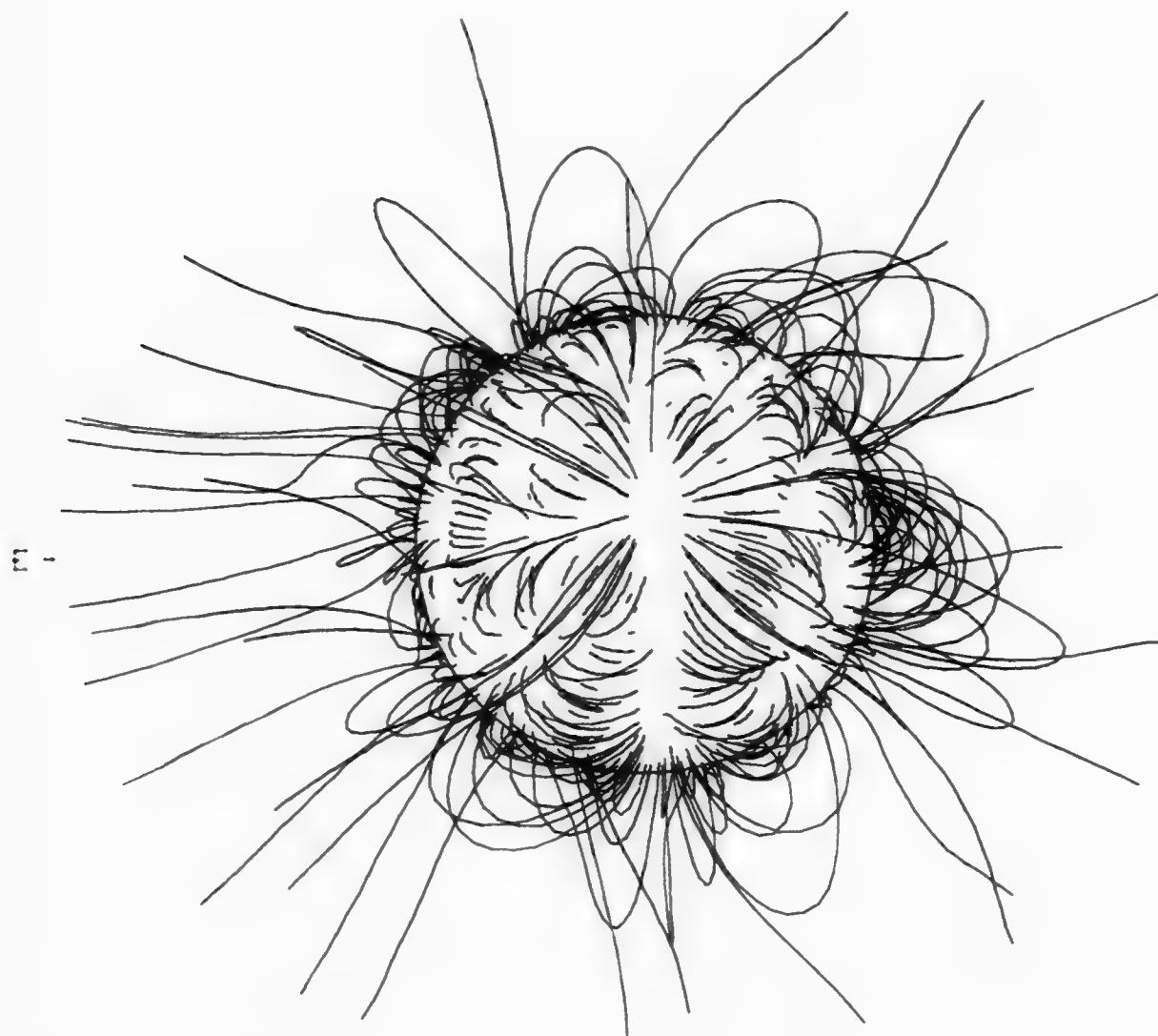
QUALITY POOR

FILES DIRECT

DATA WINDOW 1534.00

R.T. 1534 L.T. 1534
27.7 SEP 1966

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

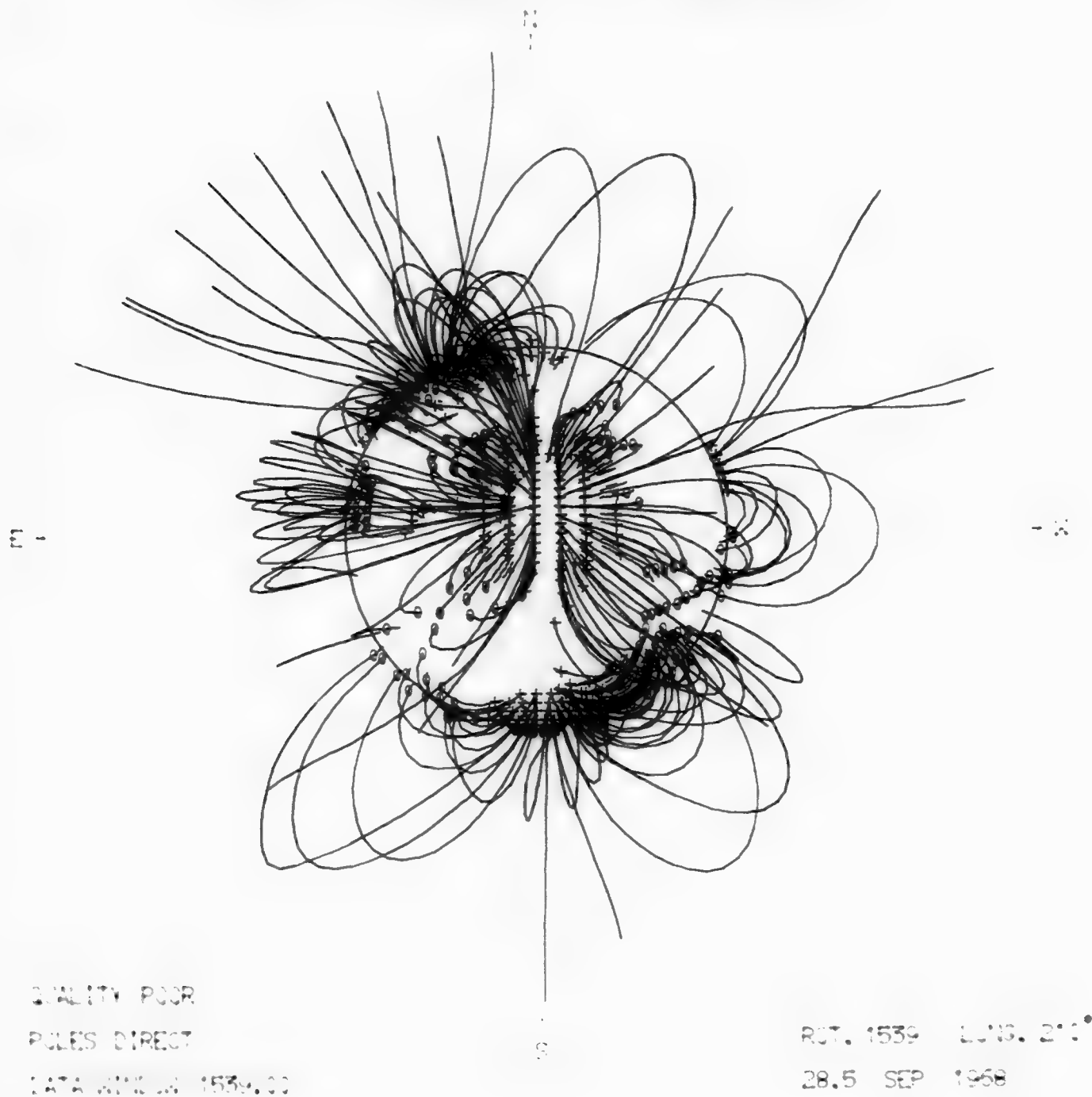


QUALITY FLOR
PAGES DIRECT
DATA NUMBER 1557.00

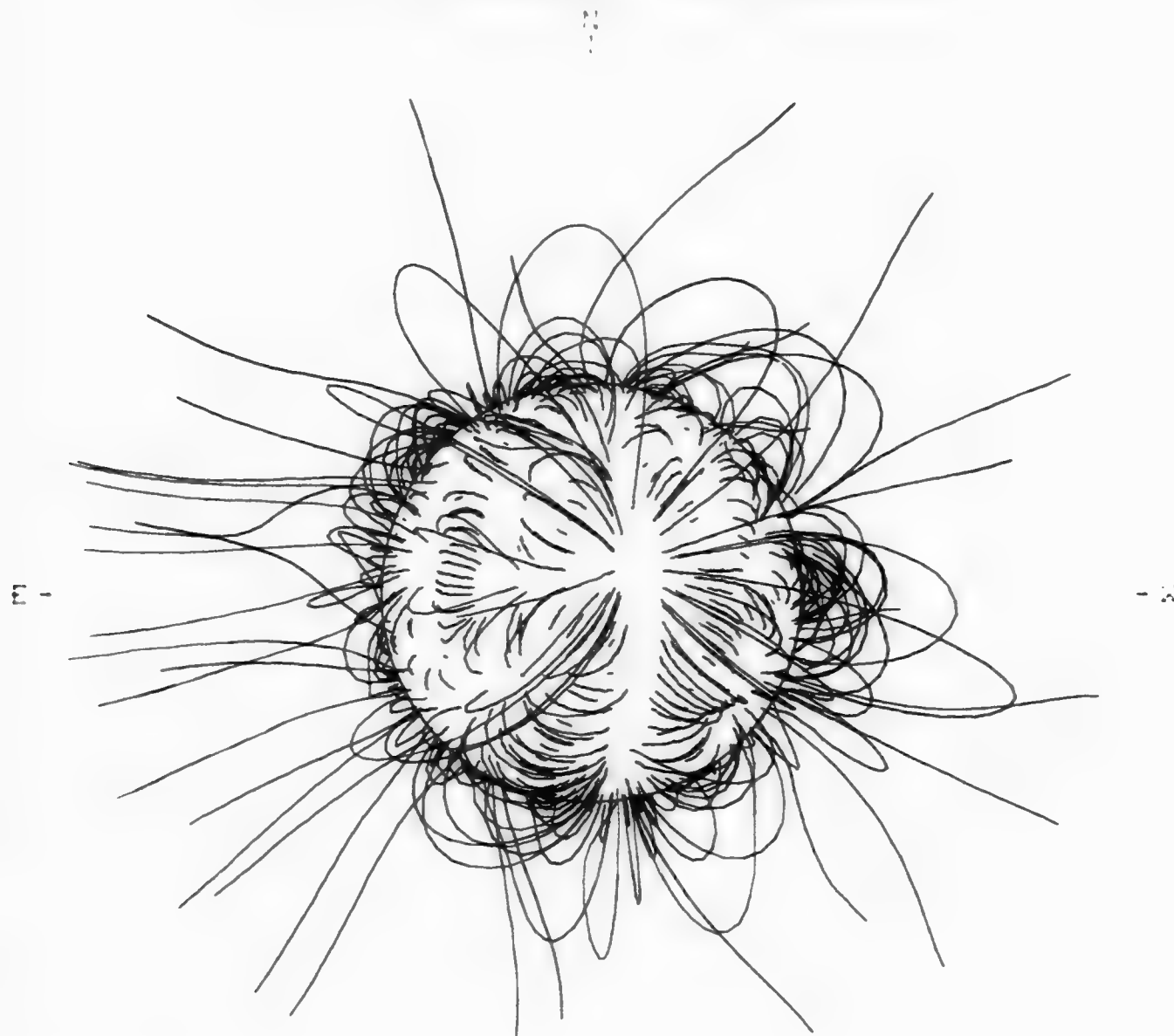
S

RJT. 1557 2013. 211°
28.5 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY PLUS

POLES DIRECT

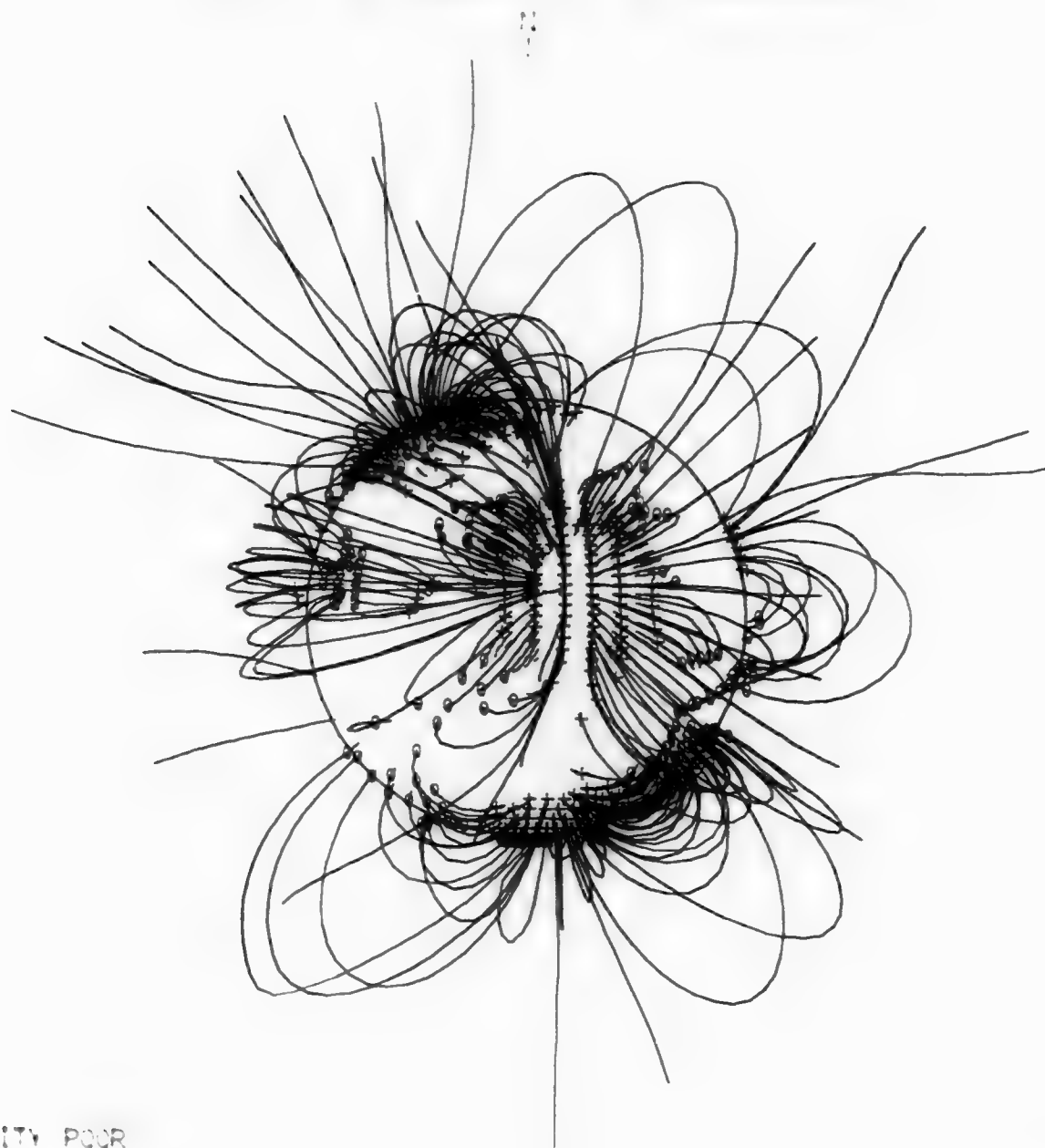
DATA ANGLE IN 1974.00

S

RUT. 1554 10.0. 100°

29.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

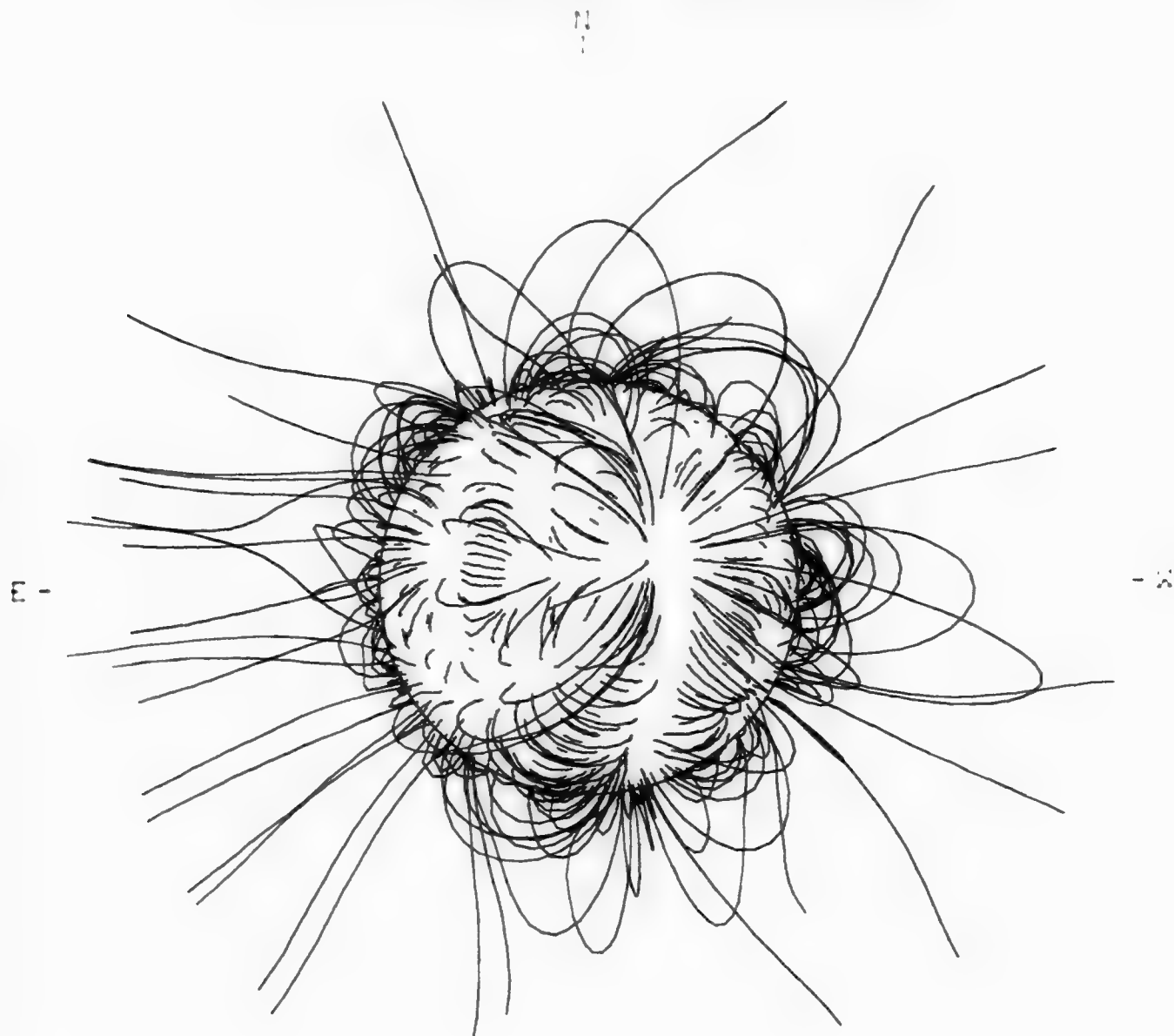
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 200°

29.2 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

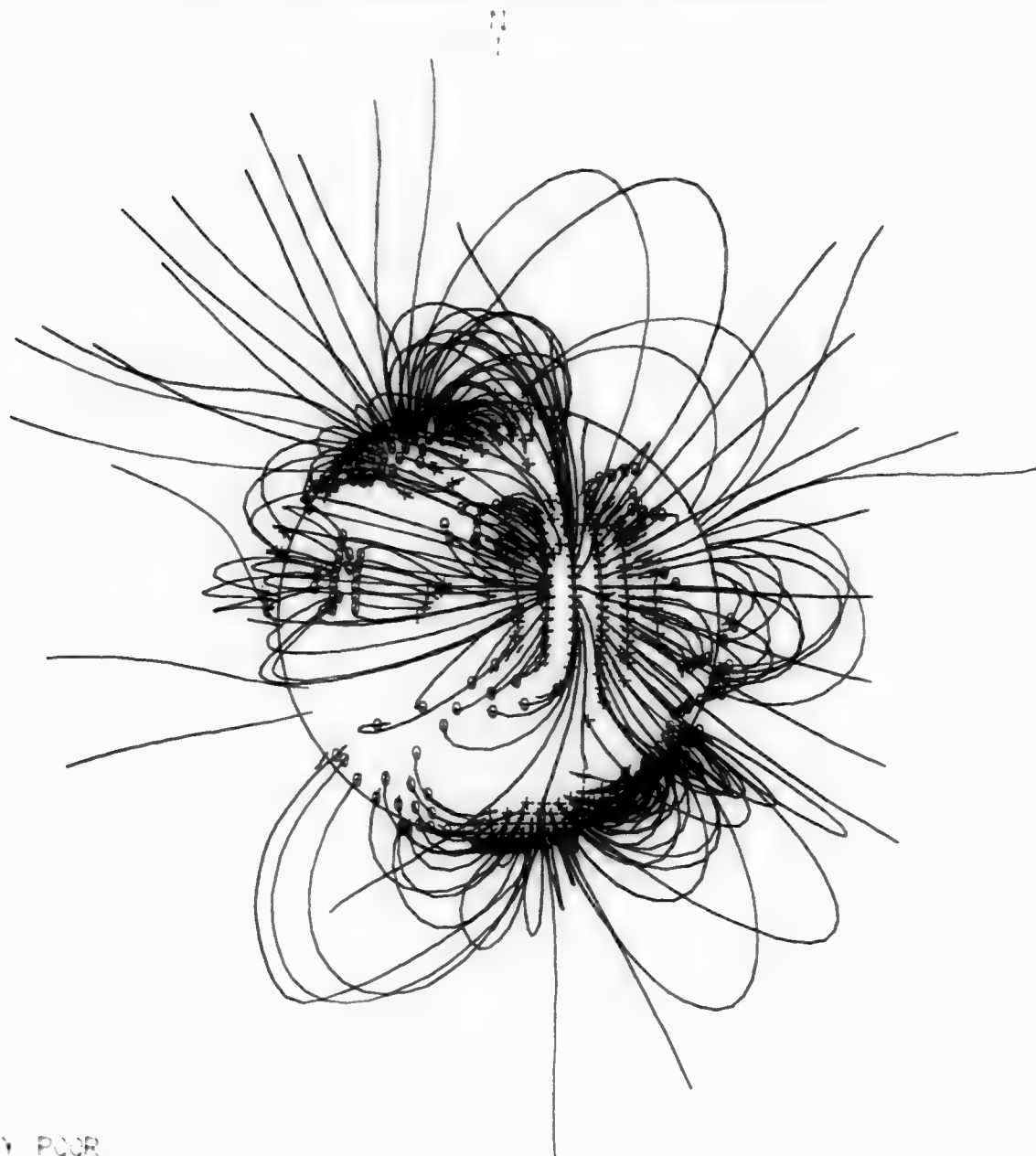
DATA WAVE ON 1539.00

1
S

ROT. 1539 LONG. 140°

30.0 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

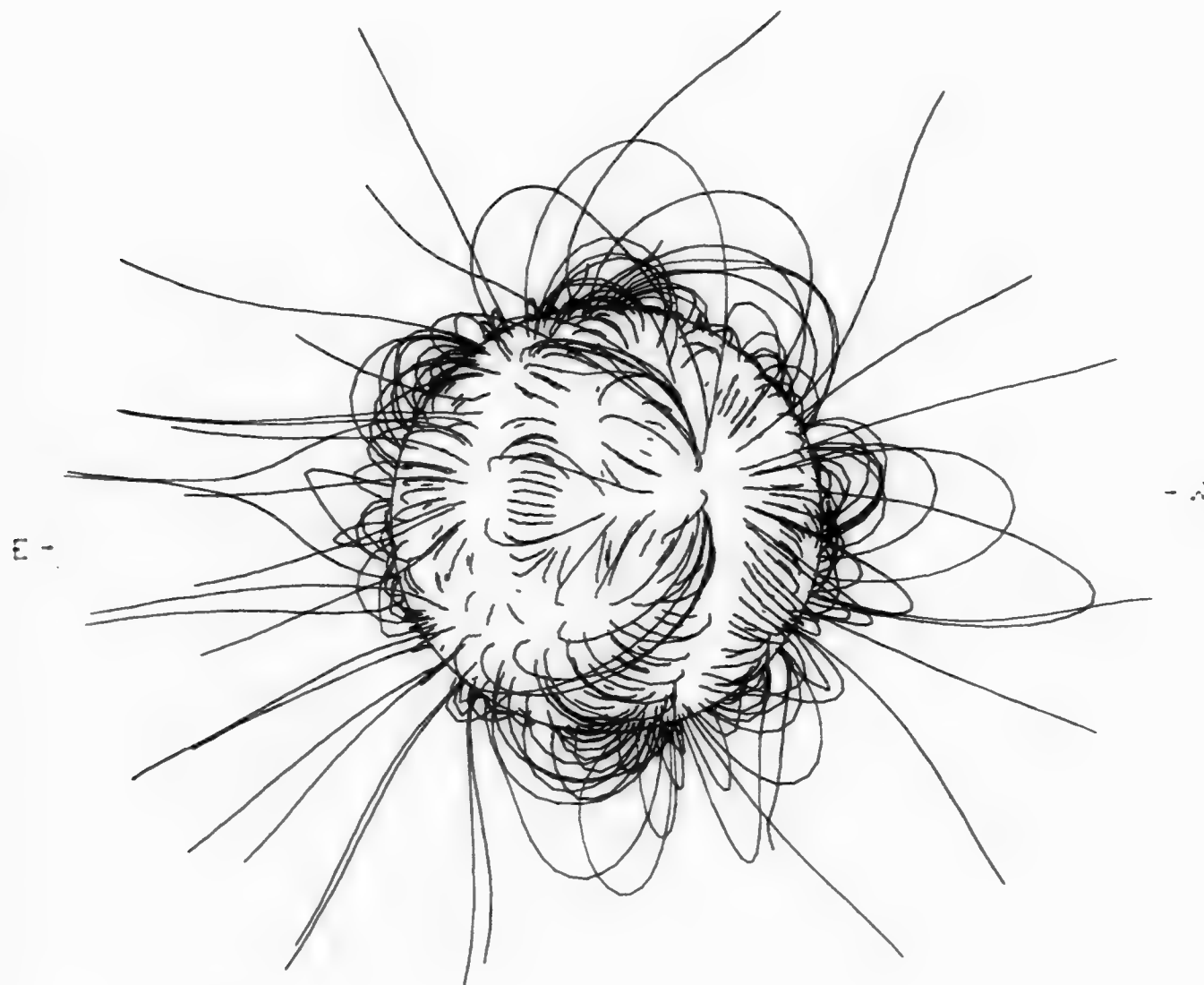
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 190°

30.0 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

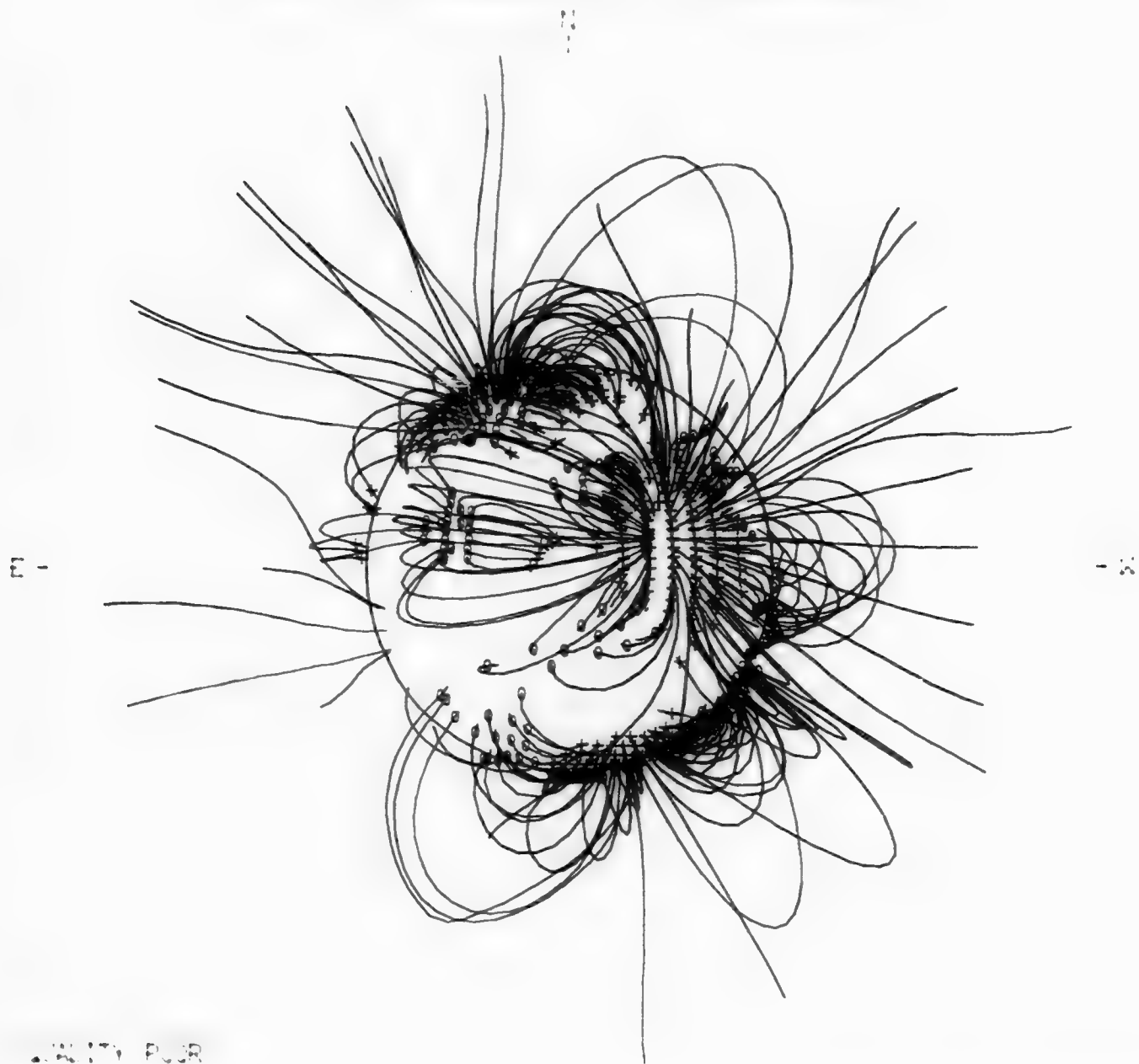


QUALITY FOUR
PULSED DIRECT
DATA WINDOW 1539.00

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RJT. 1539 LING. 180°
30.8 SEP 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

POLES DIRECT

DATA WINDOW 1539.00

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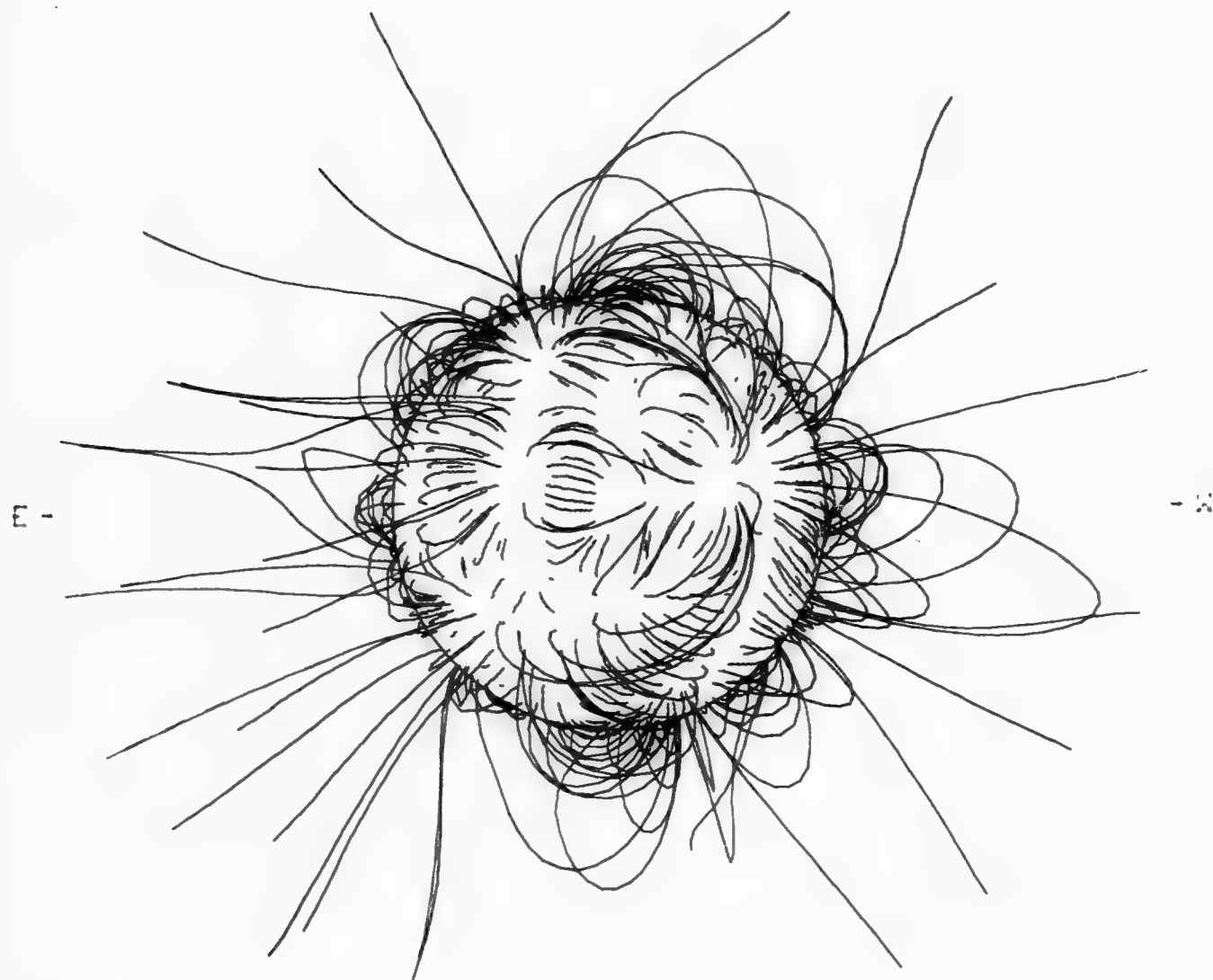
RUT. 1539

LONG. 180°

30.8 SEP

1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

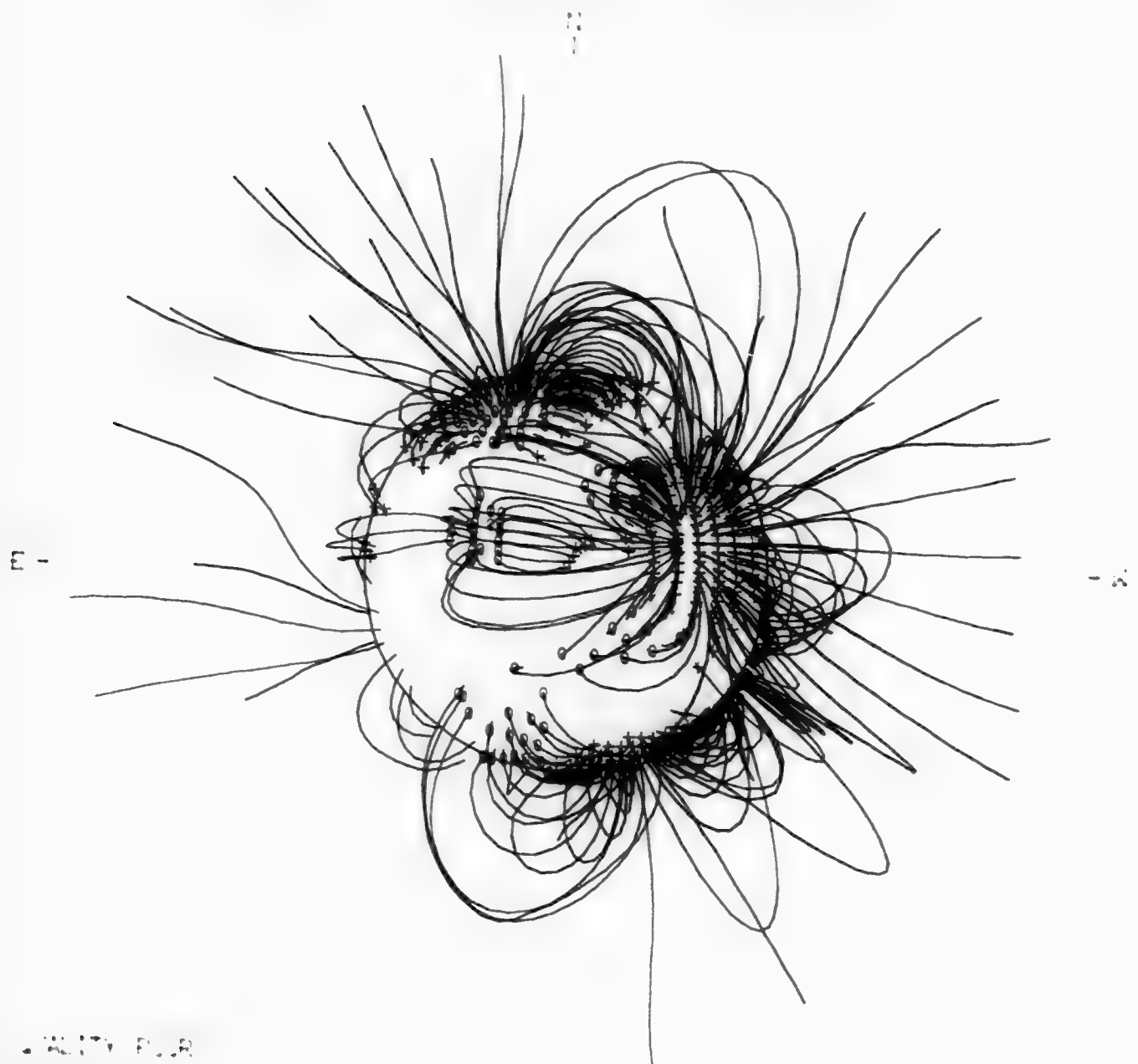
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 170°

1.5 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

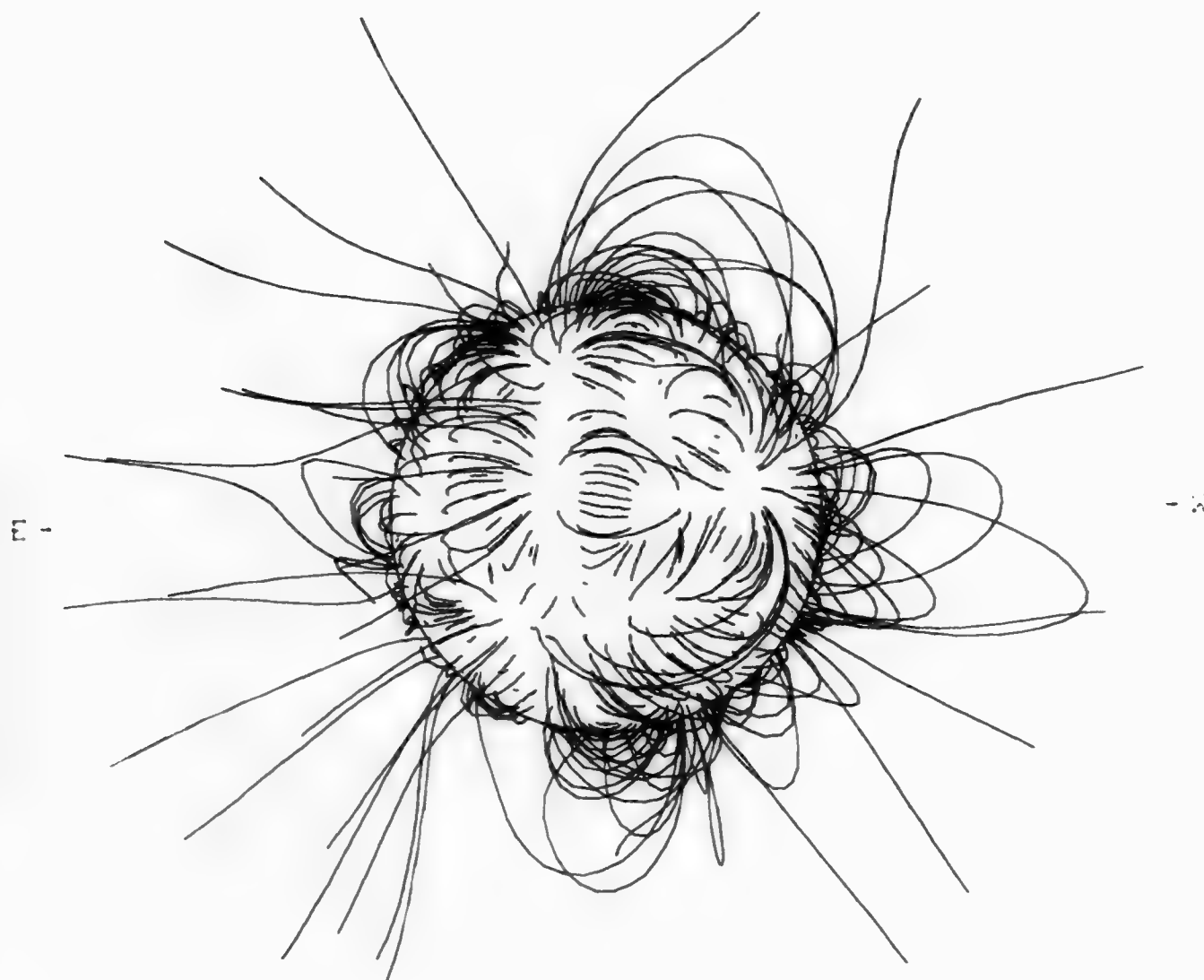
POLES DIRECT

DATA WINDOW 1539.00

RUT. 1539 LING. 170°

1.5 017 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1539.00

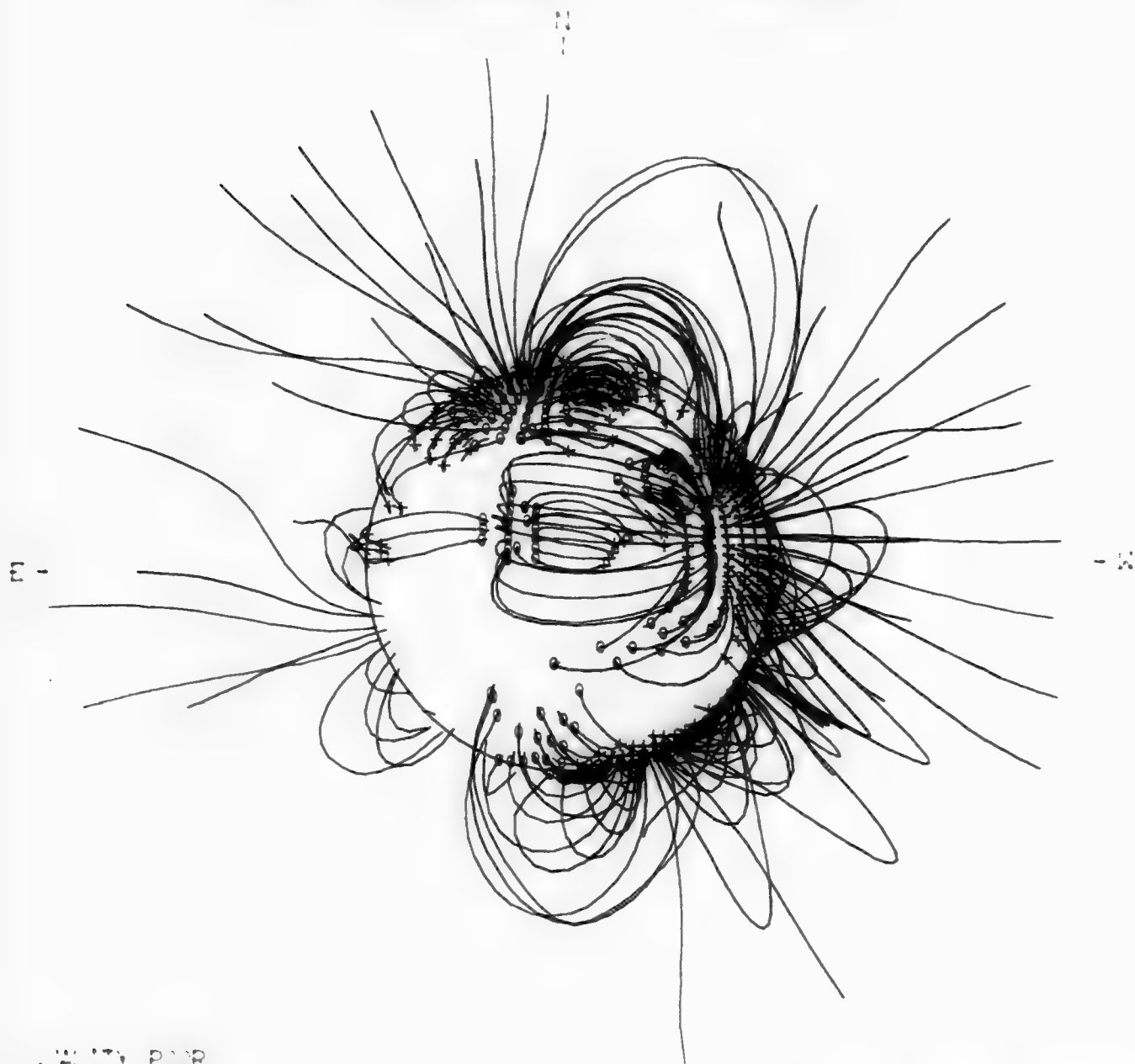
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RUT. 1539

2110.140

2.3 17 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

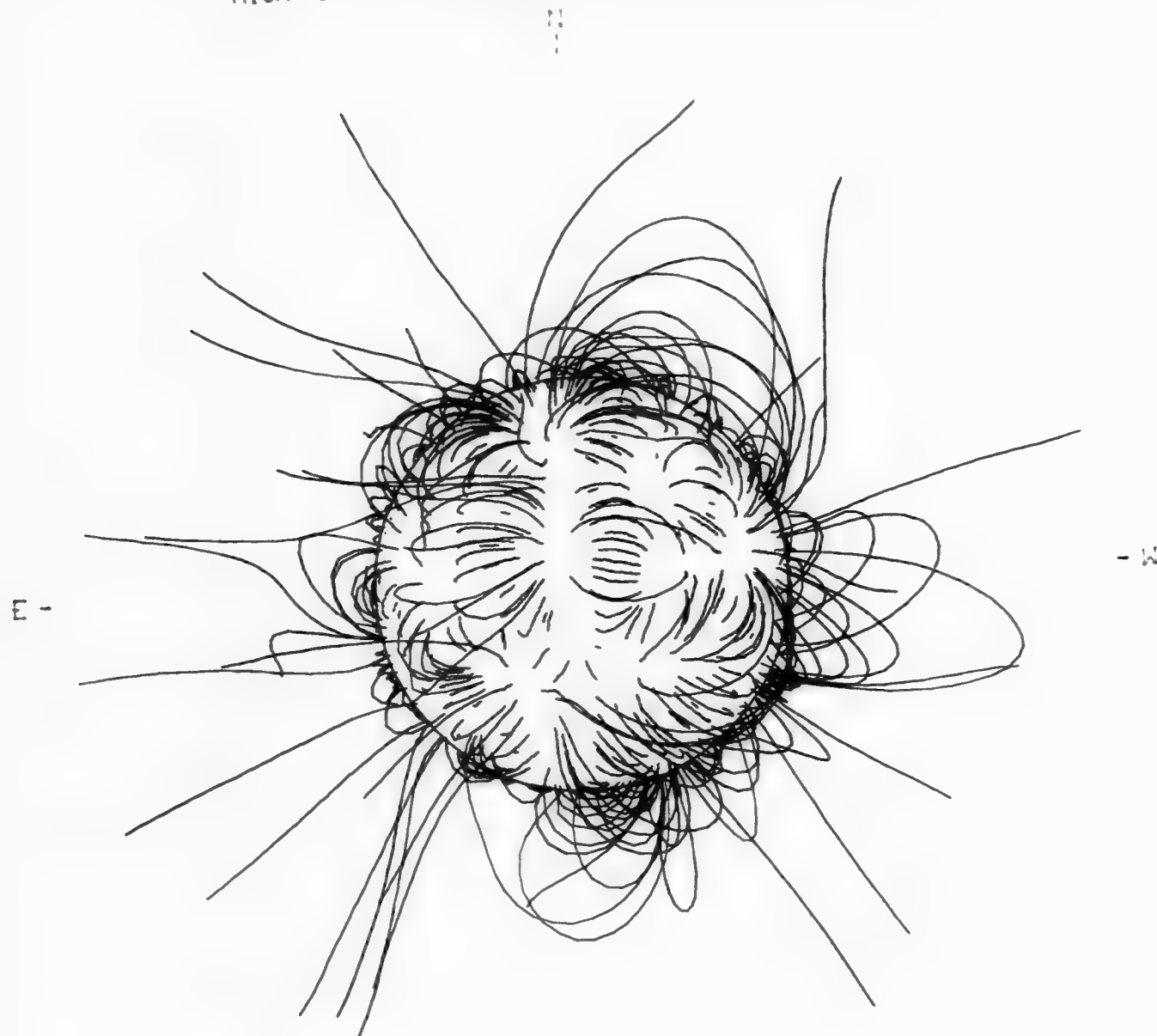
DATA WINDOW 1539.00

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S

RUT. 1539 1013. 160°

2.3 007 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

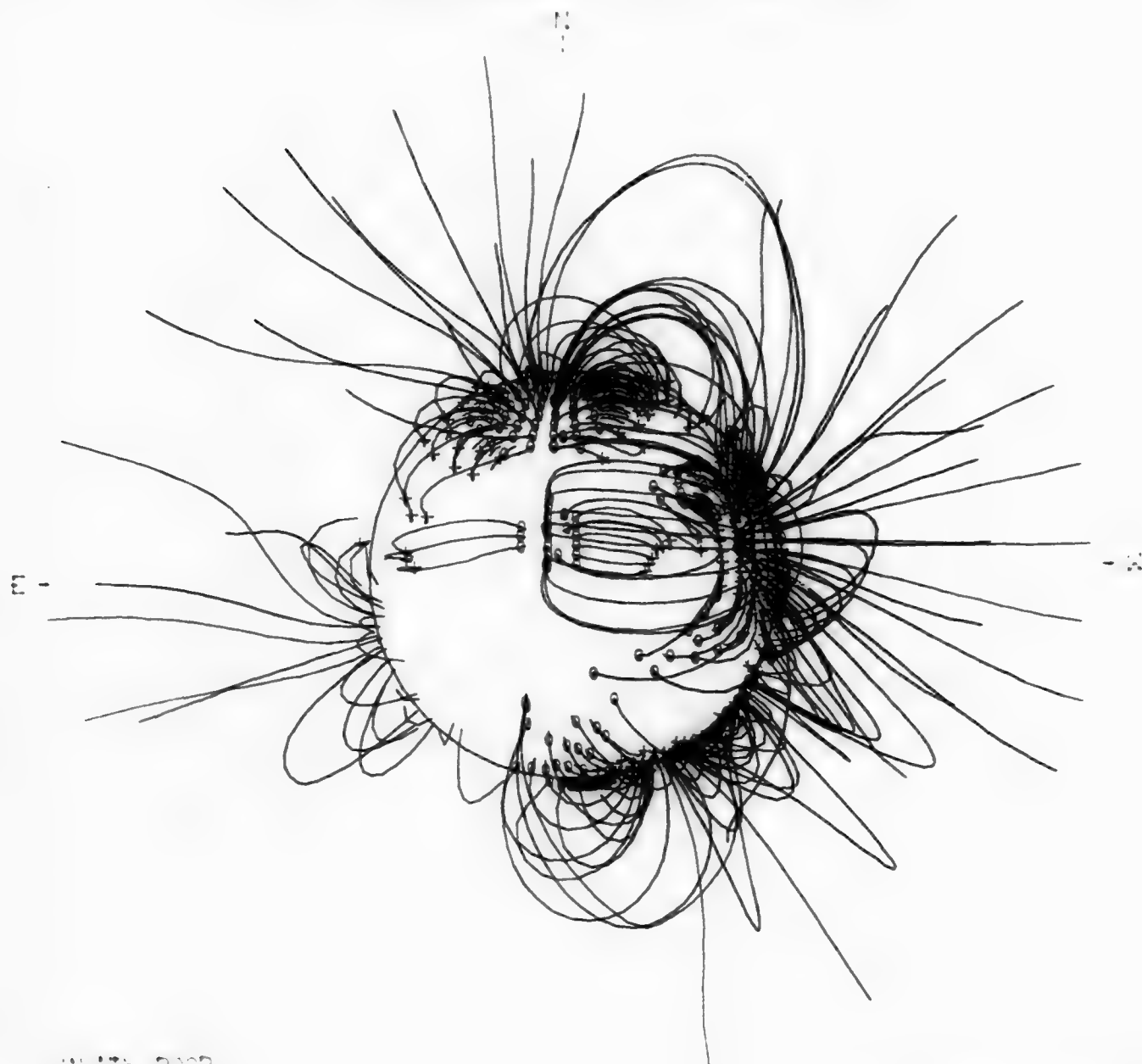


QUALITY POOR
 POLES DIRECT
 DATA WINDOW 1539.00

S

ROT. 1539 LONG. 151°
 3.0 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

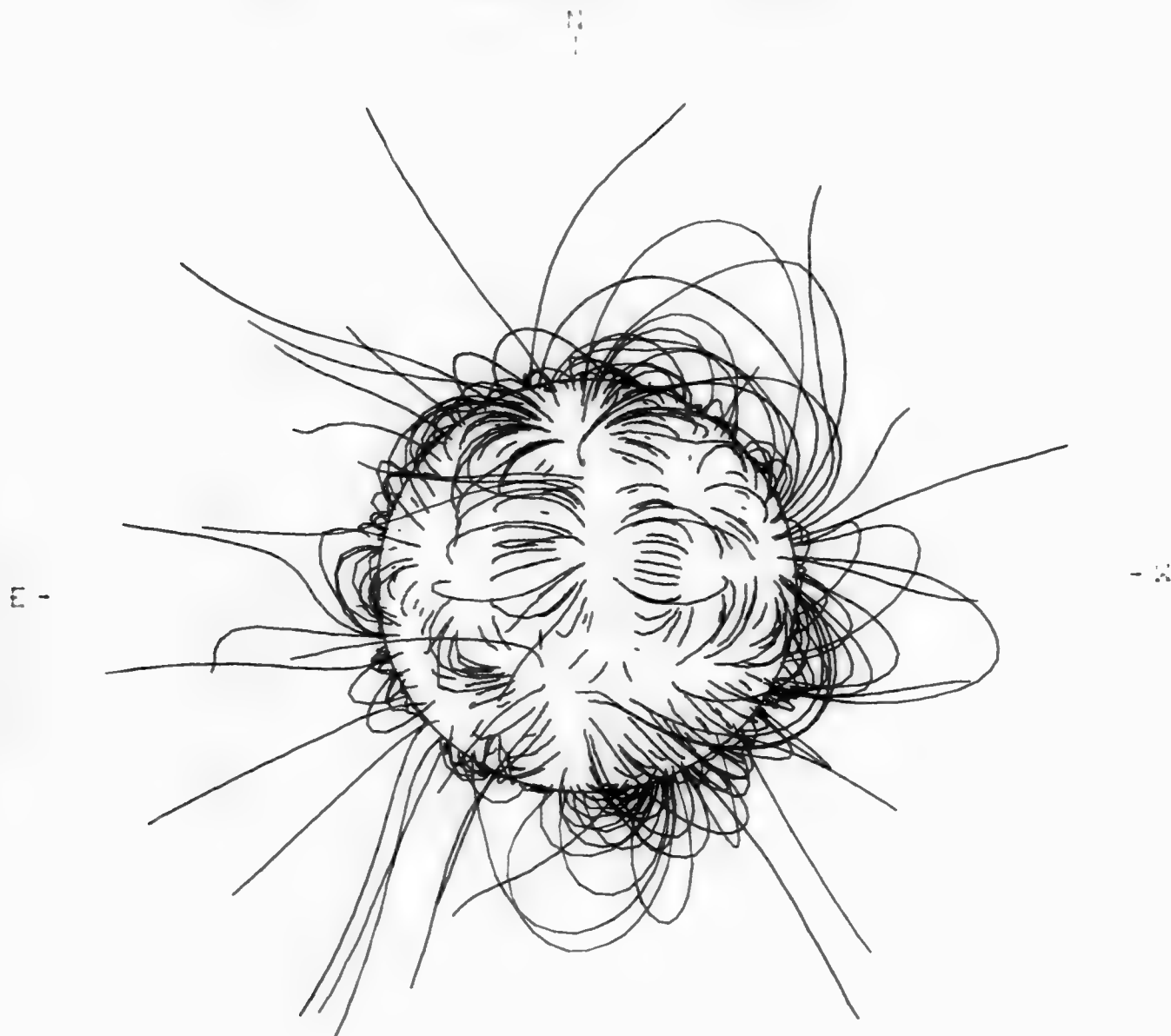
DATA NUMBER 1534.00

S

R.T. 1534 2010. 151

3.0 107 1908

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

DATA WINDON 1534.00

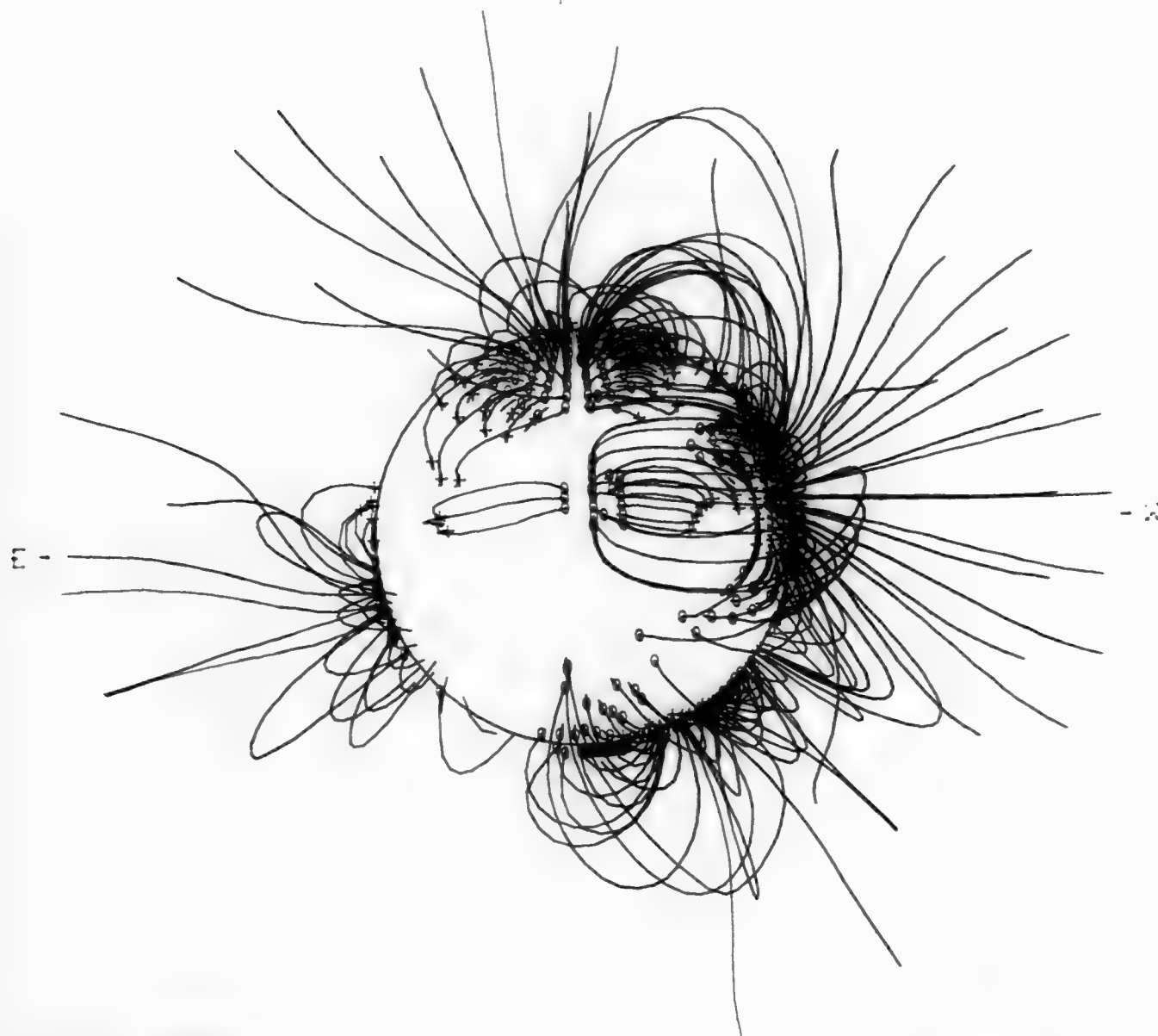
S

ROT. 1534

LONG. 140°

3.8 OCT 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

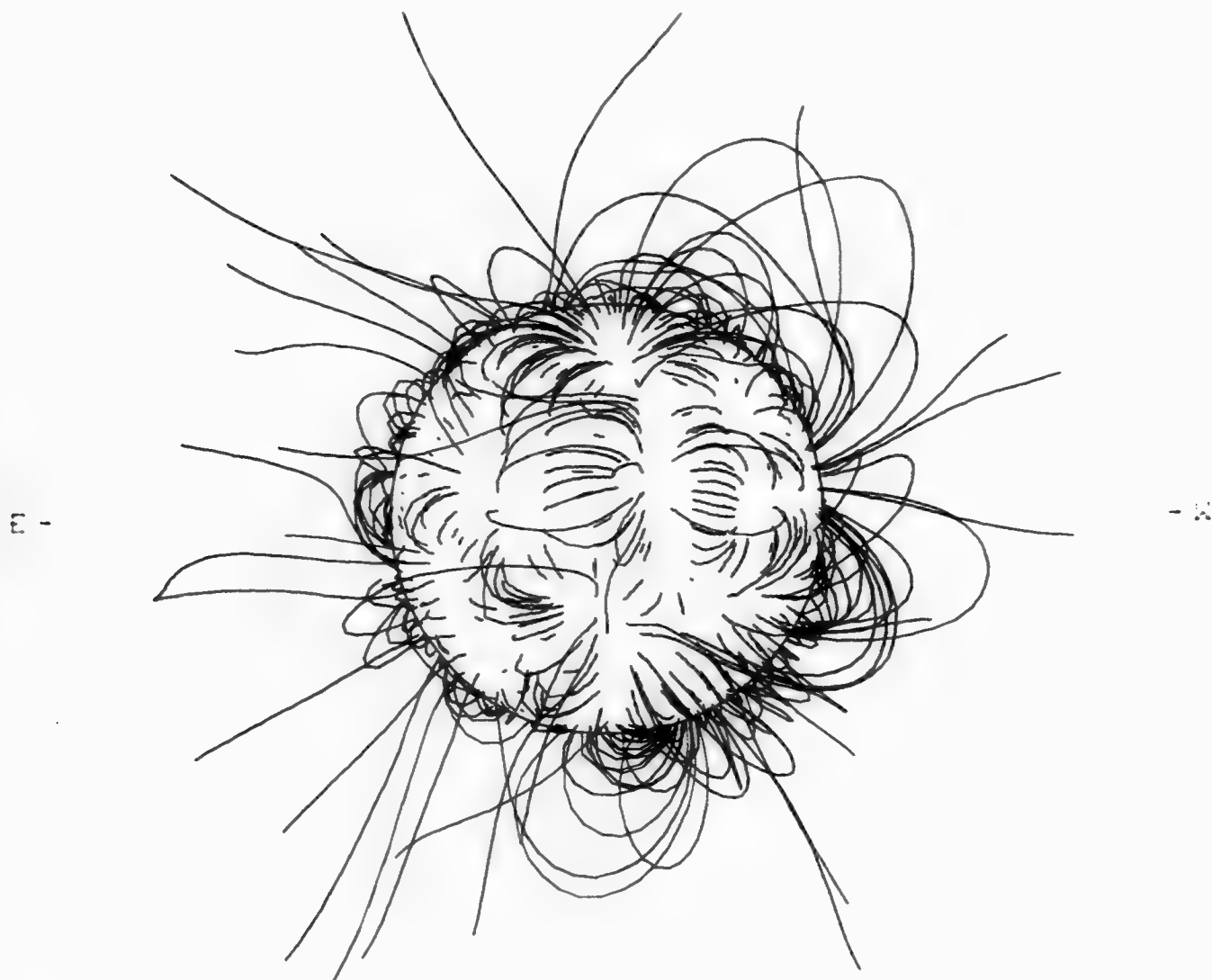


QUALITY POOR
 RULES CURRENT
 DATA AND IN 1530.00

S

RUT. 1530 210. 141°
 3.8 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

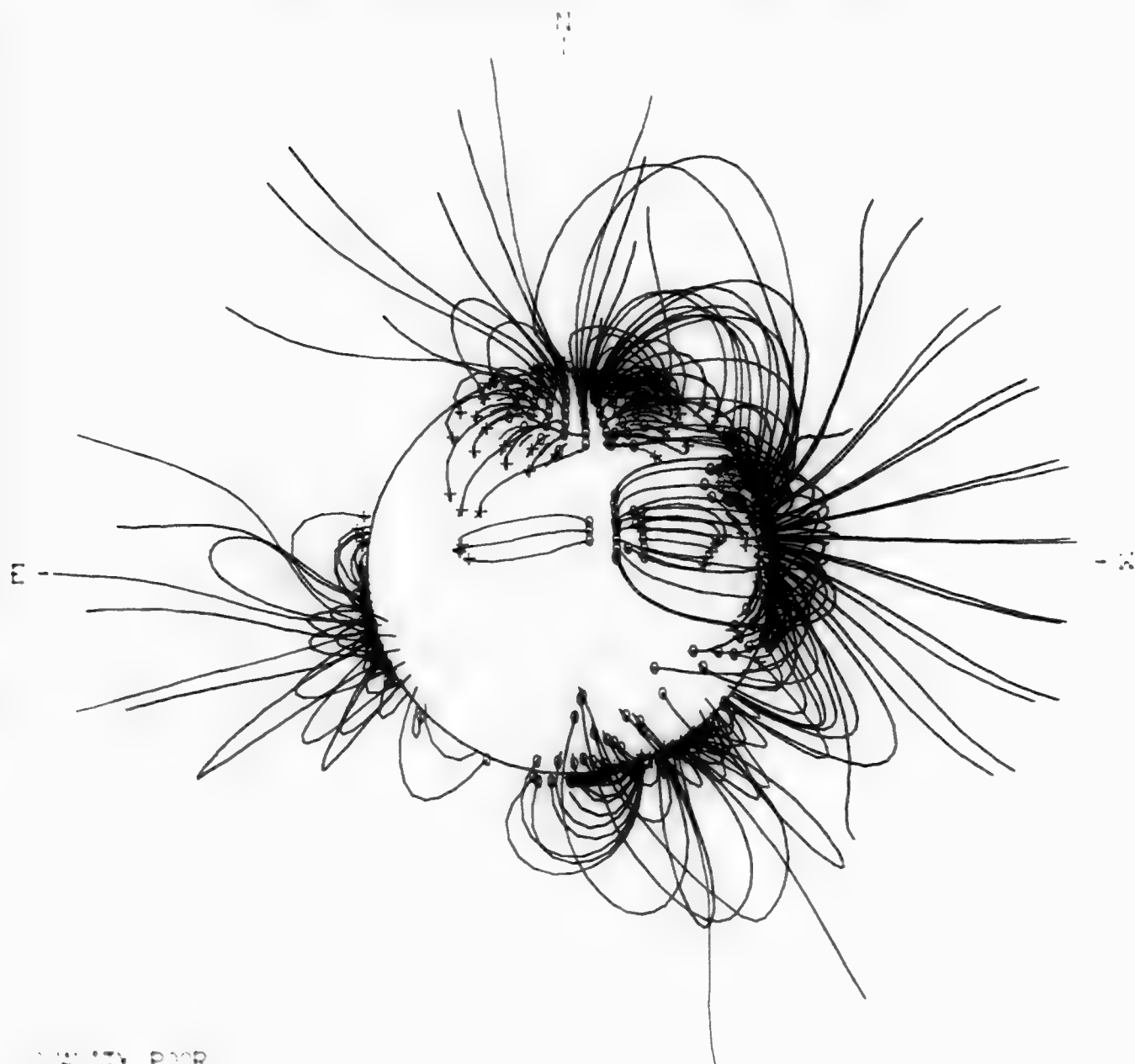
DATA WINDOW 1539.00

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RUT. 1539 LONG. 131°

4.6 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

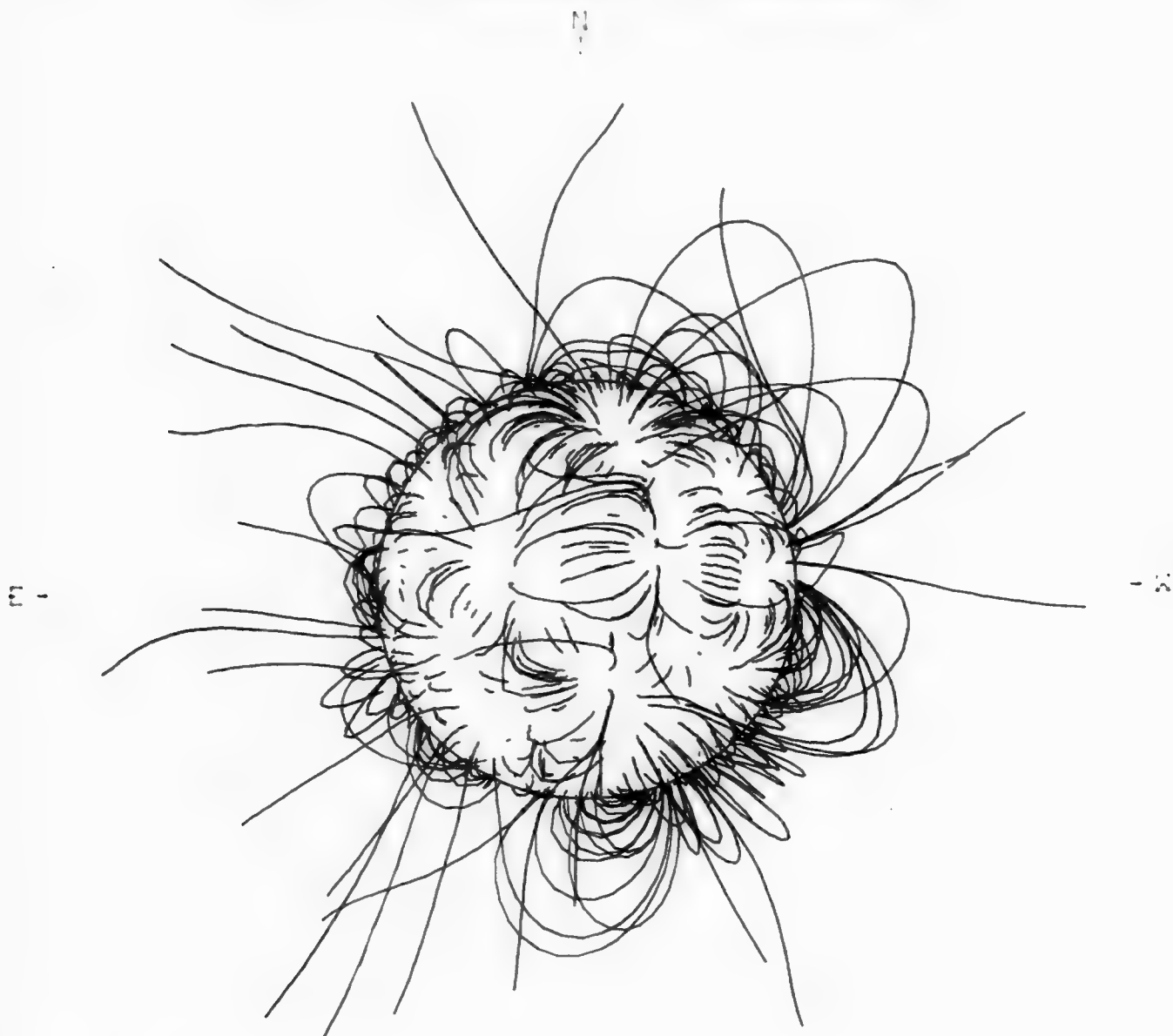
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 130°

4.6 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

PULSES DIRECT

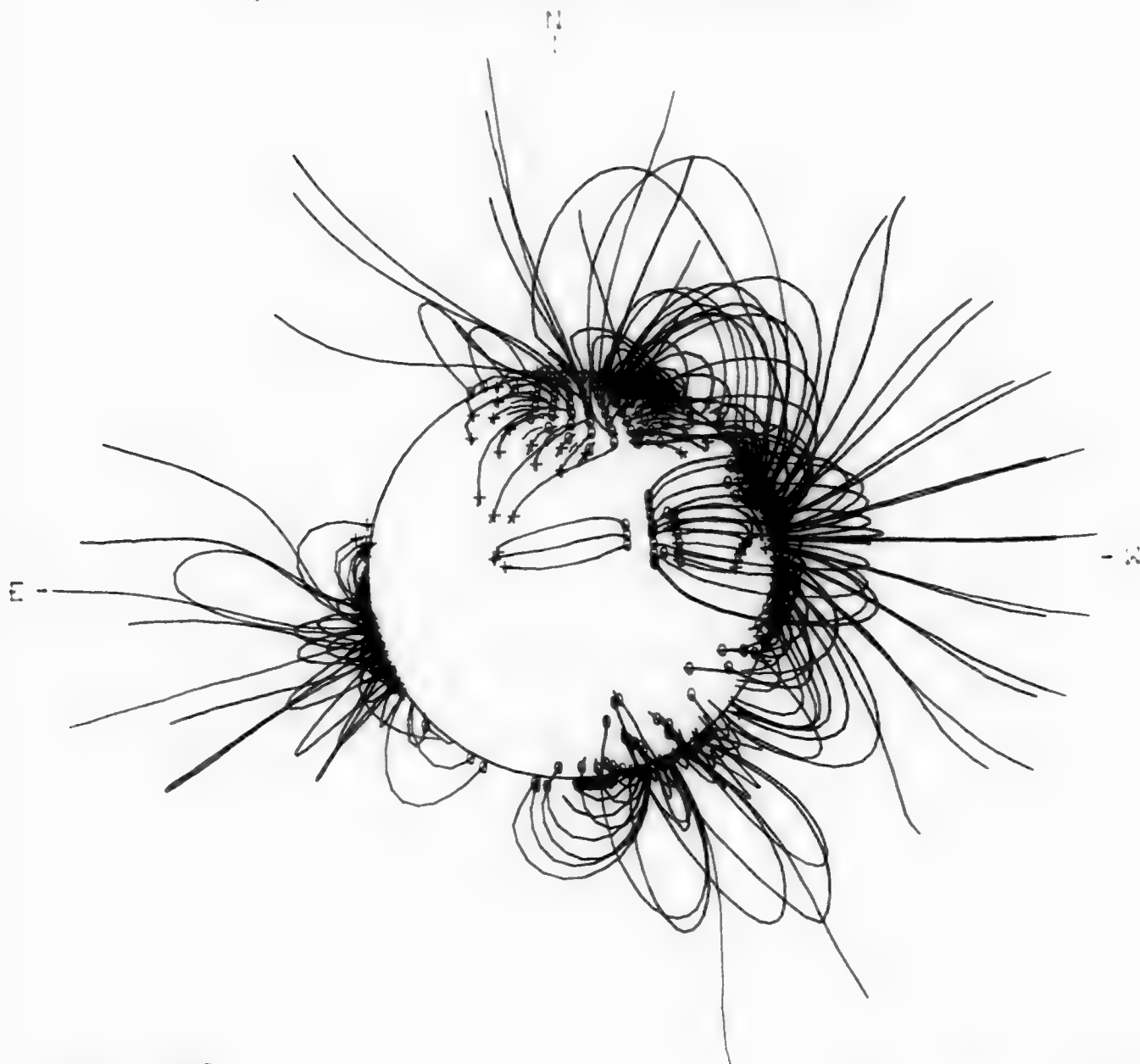
DATA WINDOW 1539.00

S

ROT. 1539 LONG. 121°

5.3 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

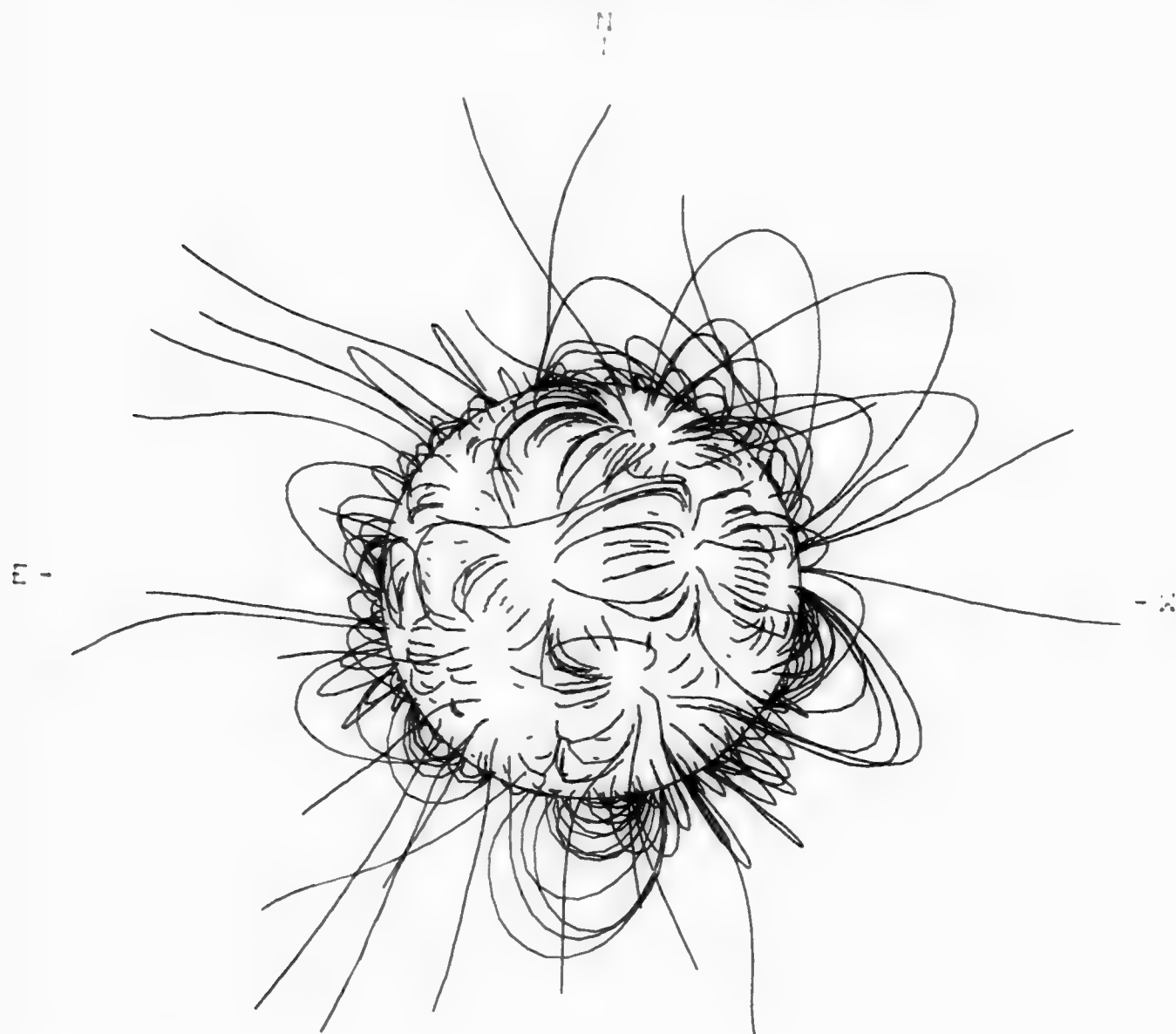
FILES DIRECT

DATA WINDOW 1539.00

S

R.T. 1534 21.1.1.1
5.3 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

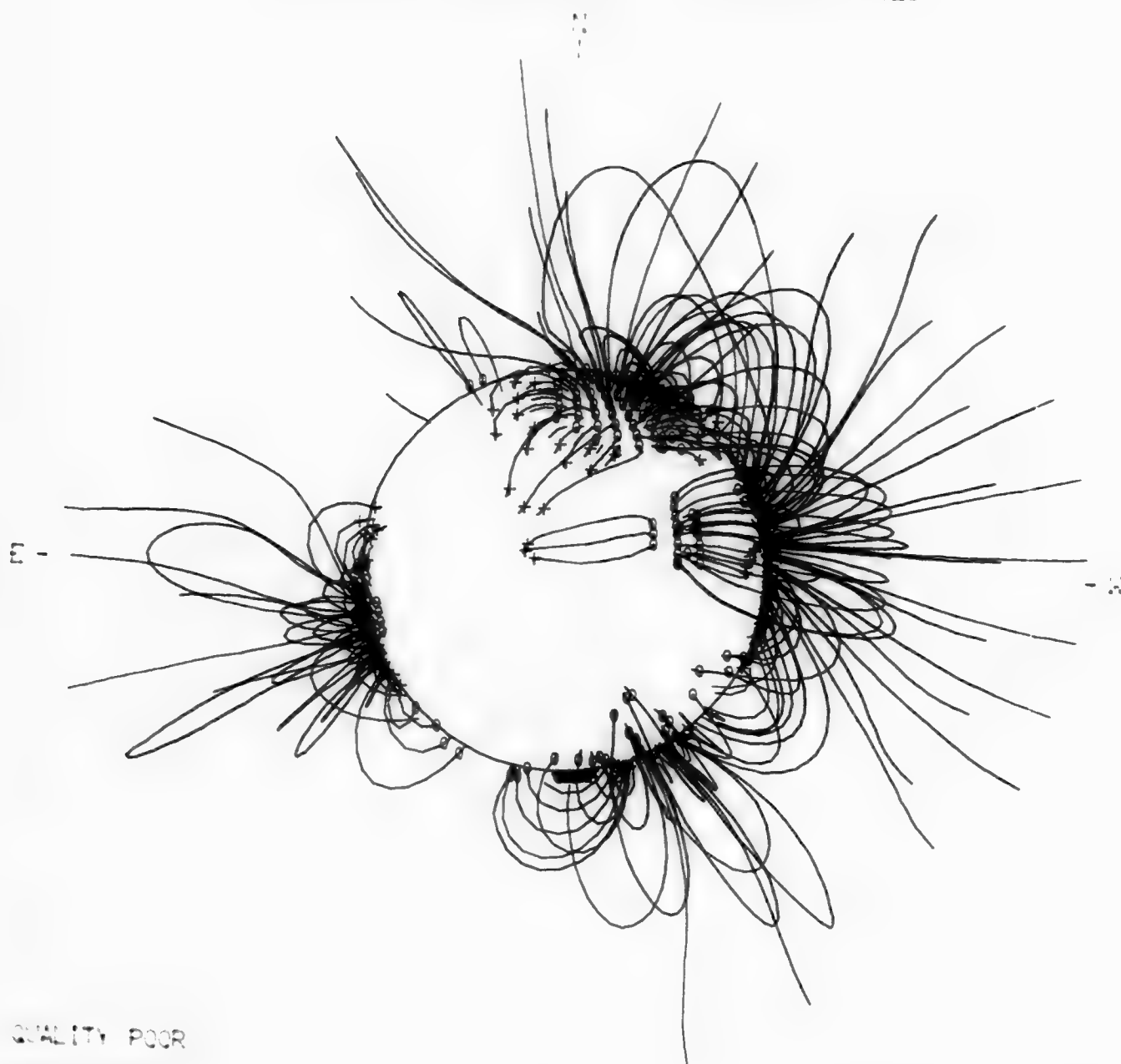


QUALITY POOR
POLES DIRECT
DATA WINDOW 1539.00

S

RCT. 1539 LONG. 110°
6.1 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

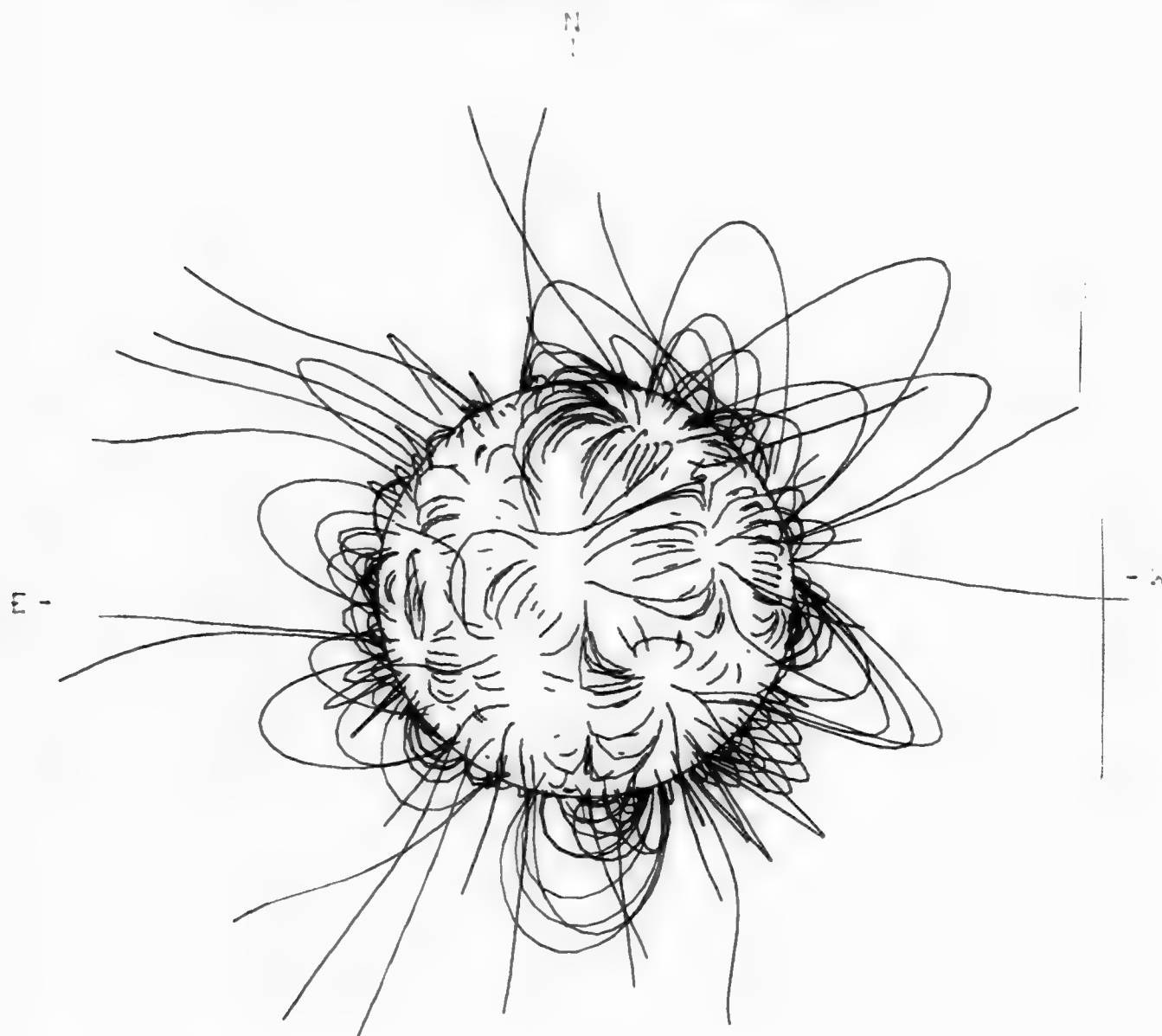
DATA WINDOW 1539.00

S

RCT. 1539 LONG. 110°

6.1 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

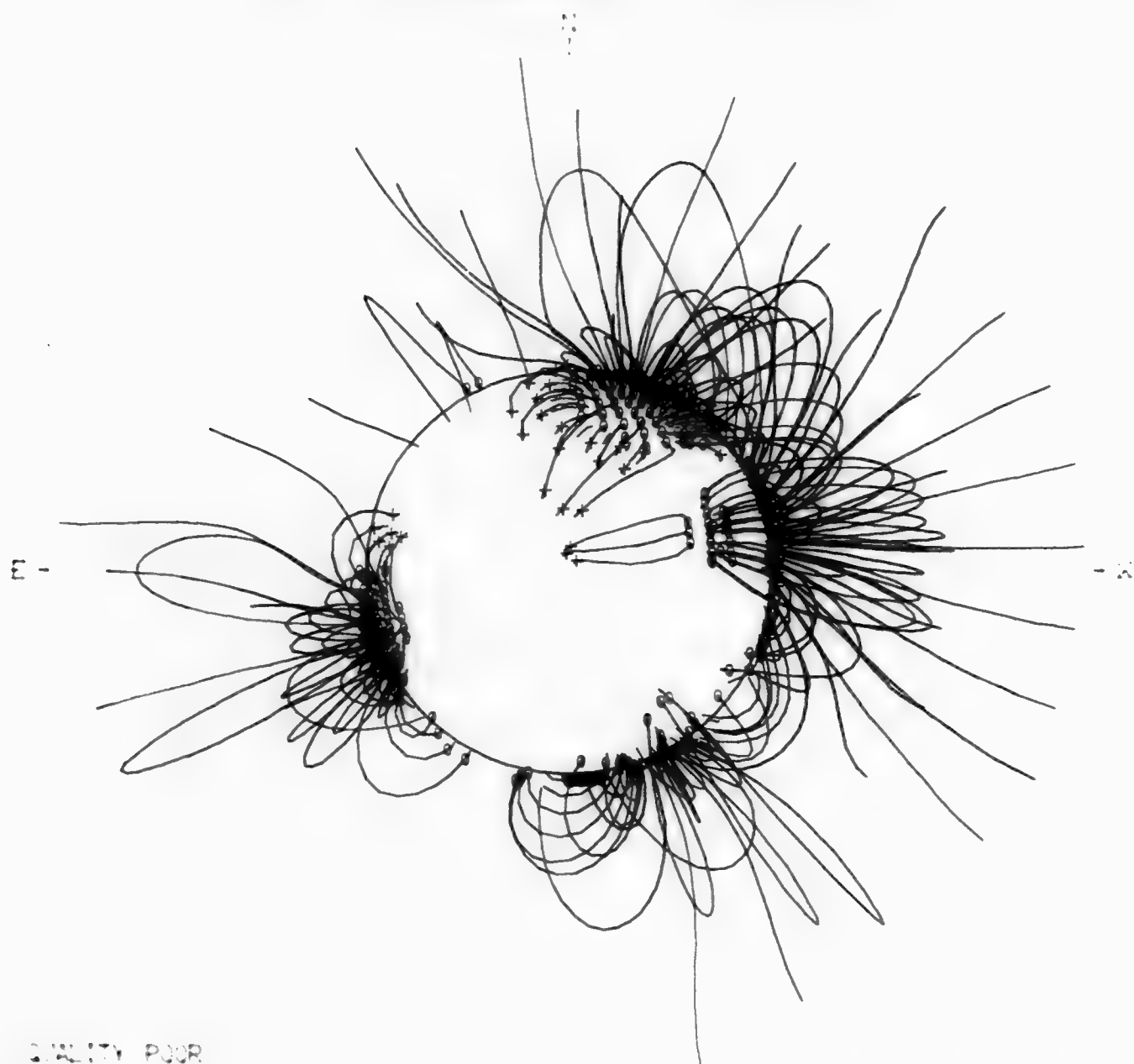
DATA WINDOW 1539.00

S

R.T. 1539 201.100°

6.8 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

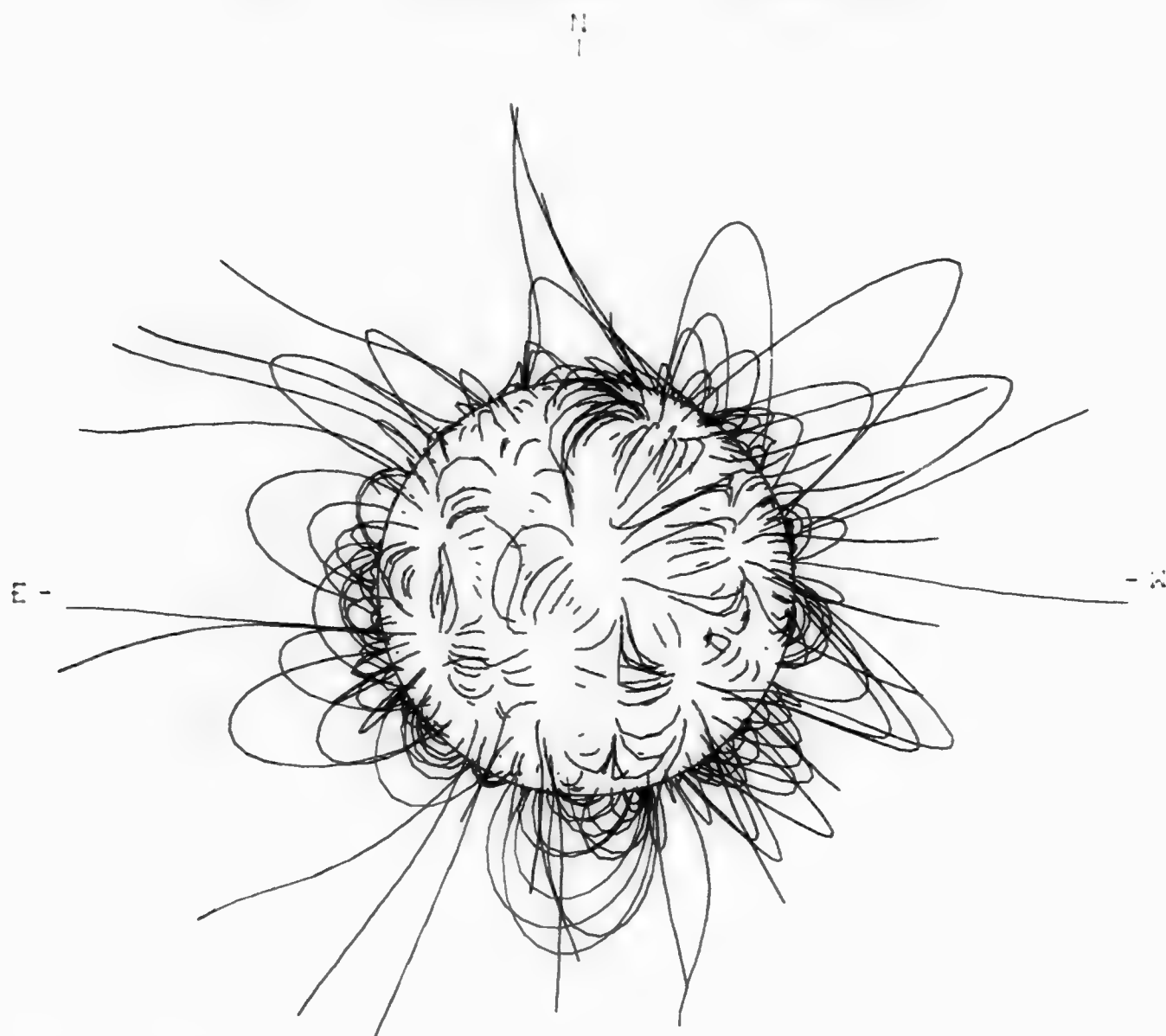
DATA WIND IN 1534.00

S

R.T. 1534 1534.00°

6.8 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

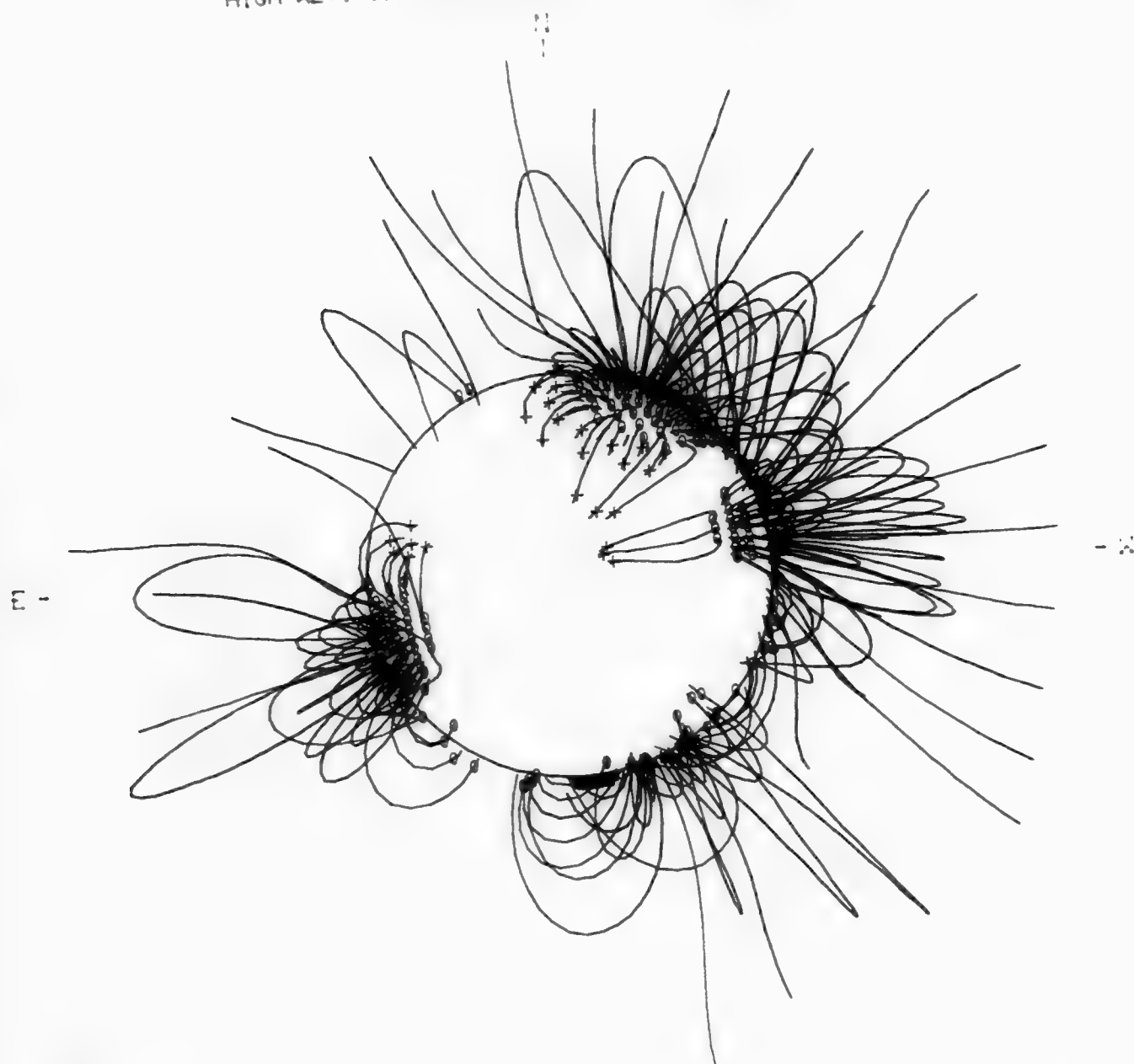
DATA WINDOW 1539.00

S

ROT. 1539 2110. 40°

7.6 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

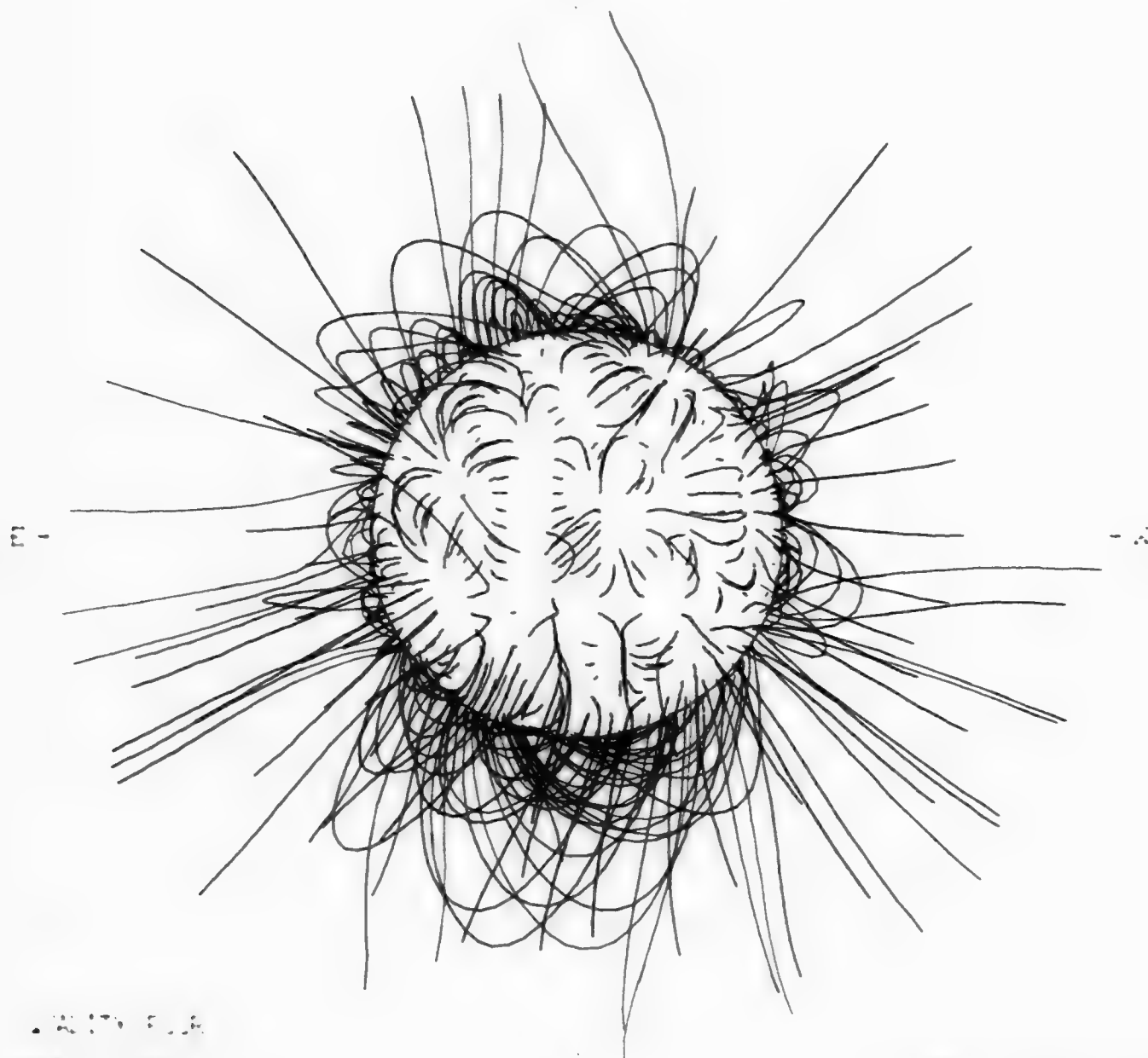


QUALITY POOR
 POLES DIRECT
 DATA NINE JAN 1959.00

S

ROT. 1539 LONG. 91°
 7.6 OCT 1968

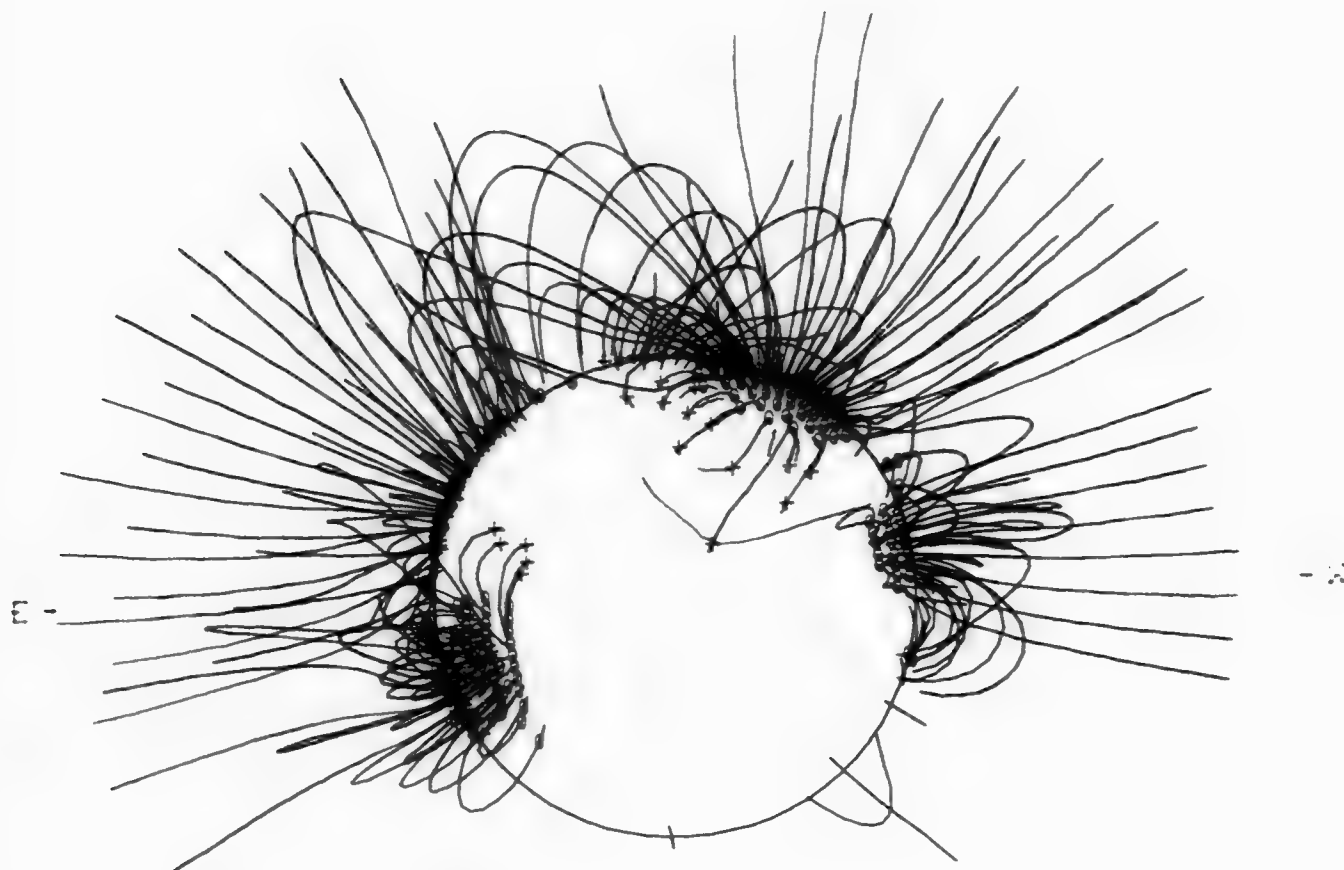
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALPHA 1.0
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1.000 1.000 1.000
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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

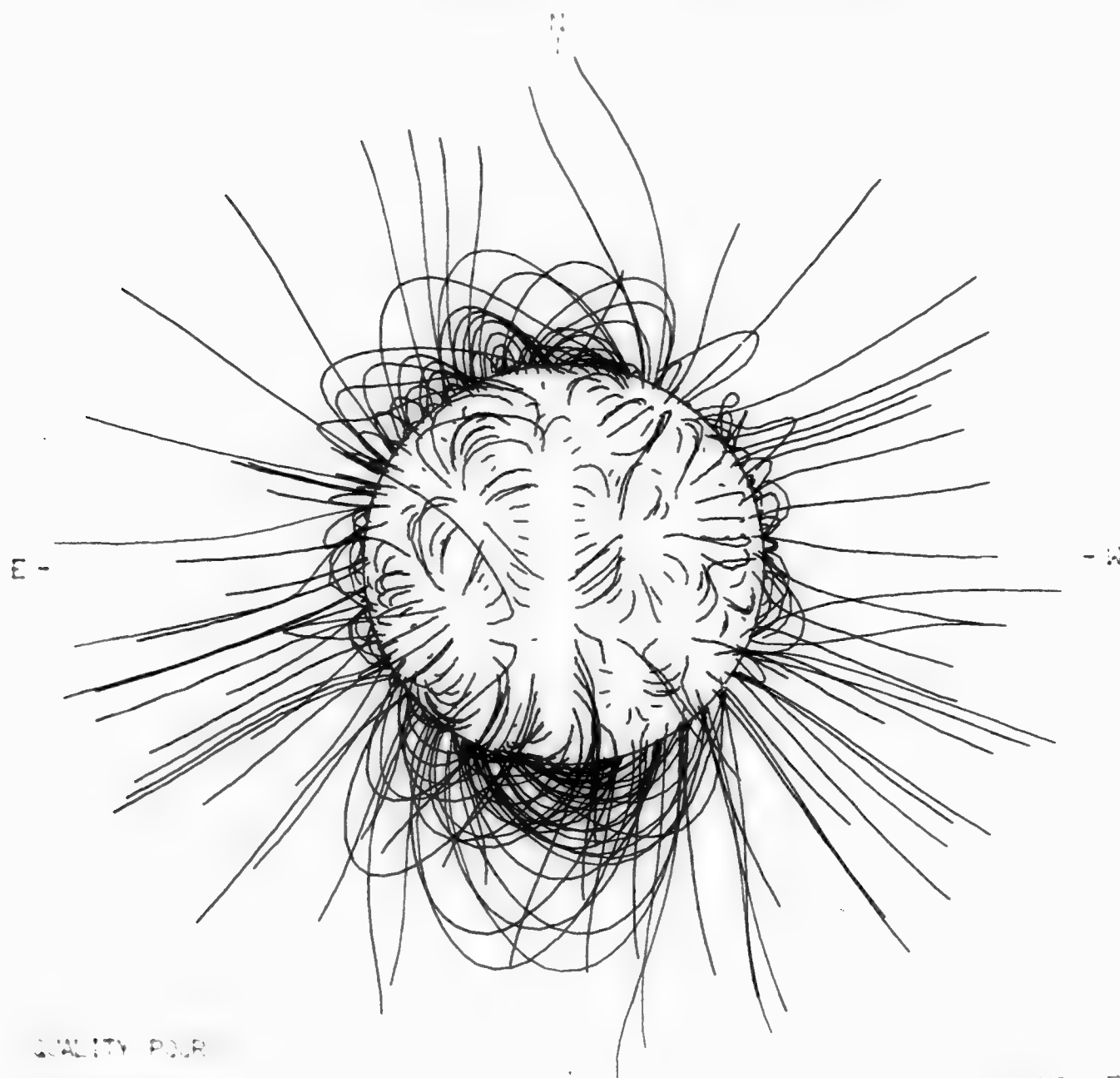
DATA WINDOW 1539.47

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8.7. 1539 20.3. 1539

8.3 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

POLES DIRECT

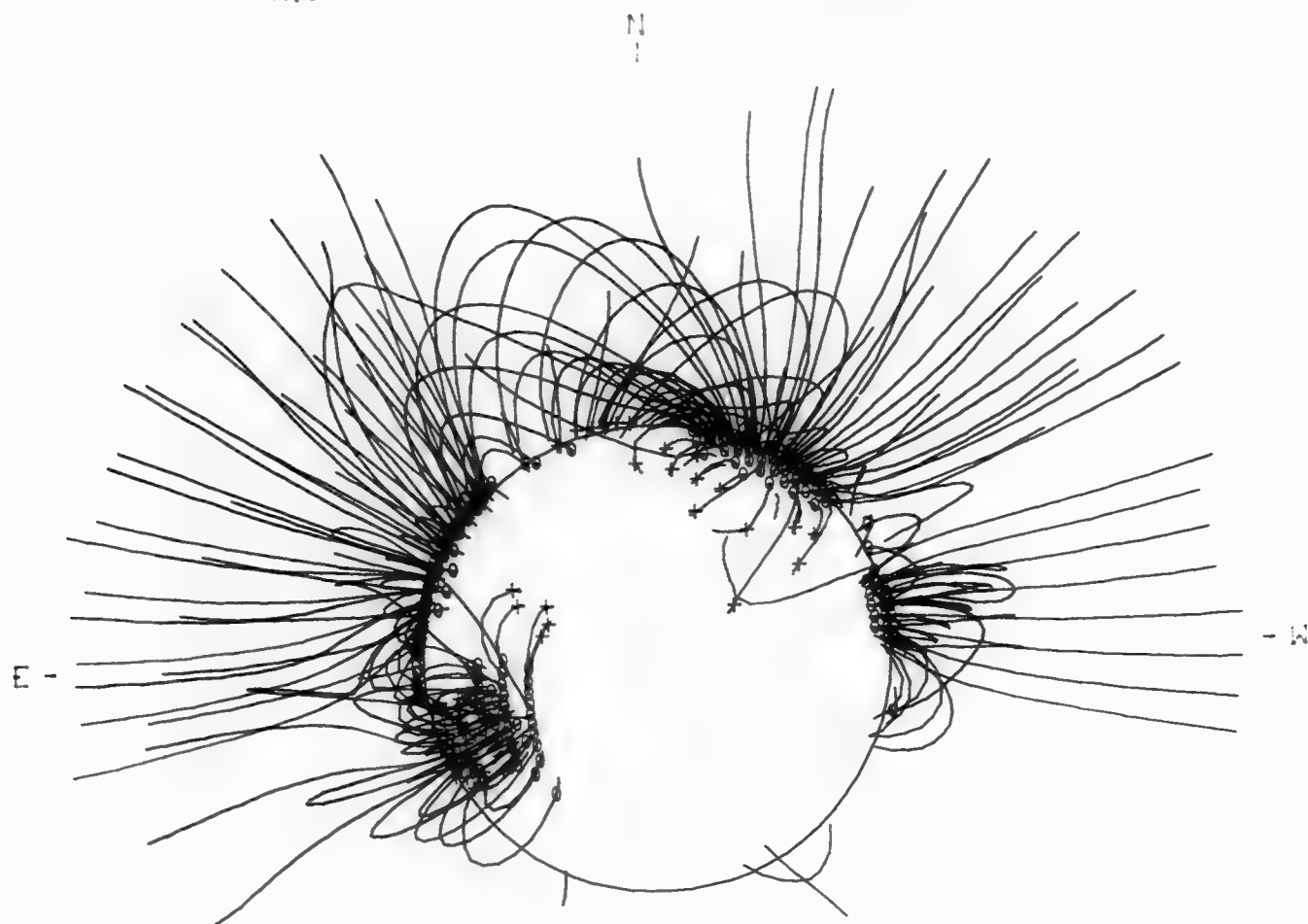
DATA NUMBER 1539.47

S

ROT. 1539 LONG. 70°

9.1 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

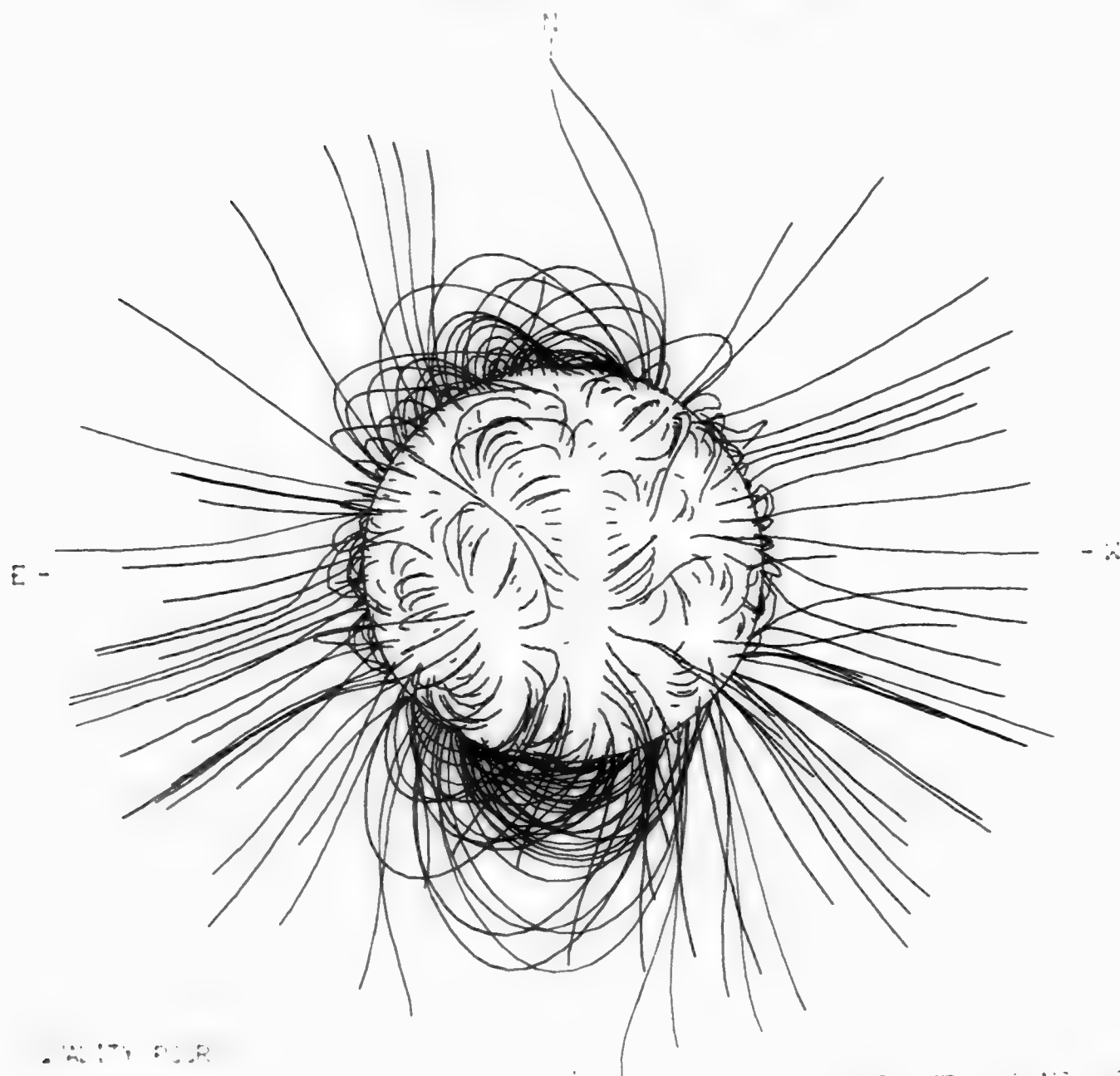


QUALITY FOUR
POLES DIRECT
DATA NUMBER 1539.47

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ROT. 1539 LONG. 70°
S. 1 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

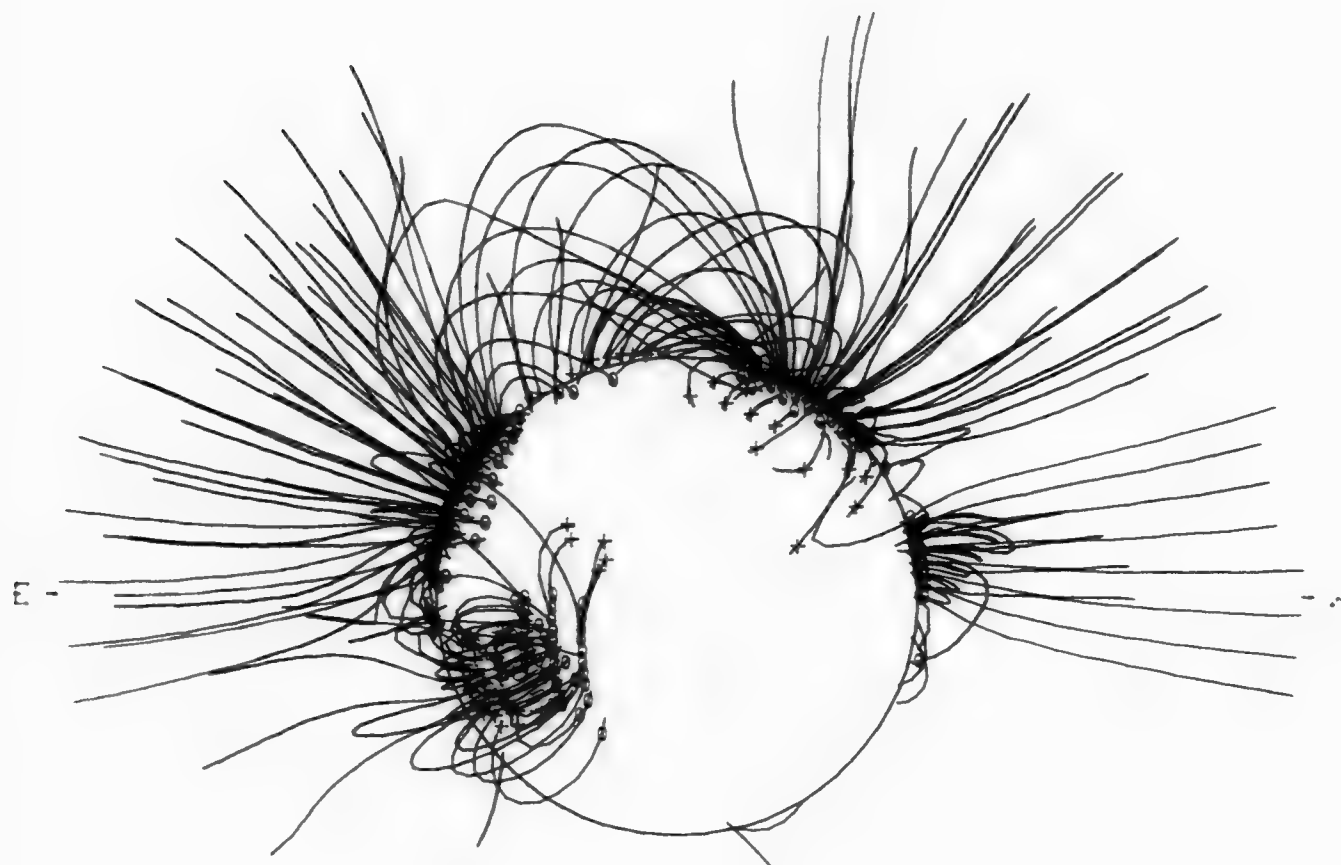


QUALITY FOUR
 PLEAS DIRECT
 DATA APRIL 1953, 57

S

RT. 1539 200. 60°
 5.2 107 1958

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

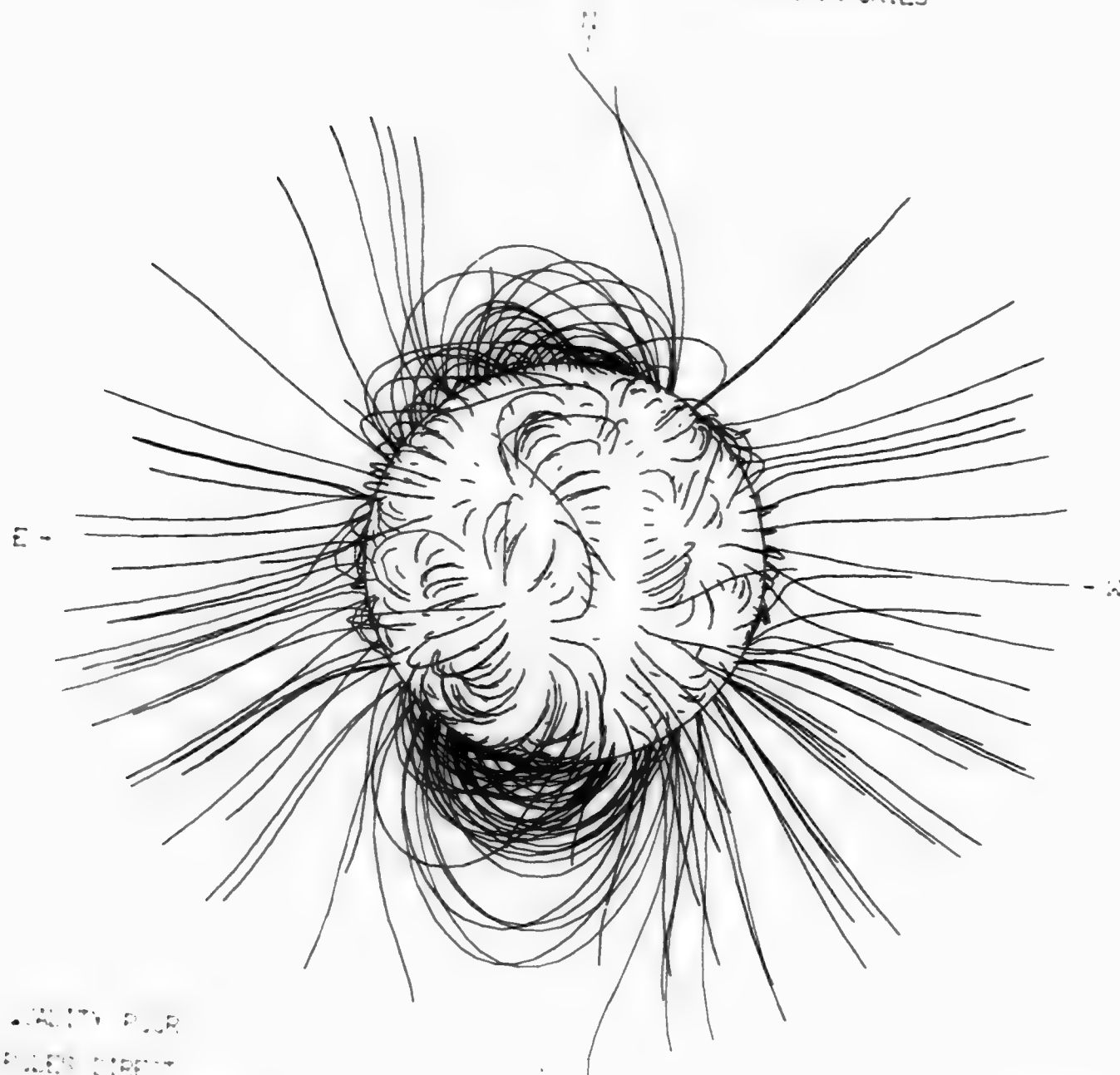
POLES DIRECT

DATA WINDOW 1539.47

ROT. 1539 2115. 60°

8.9 107 1968

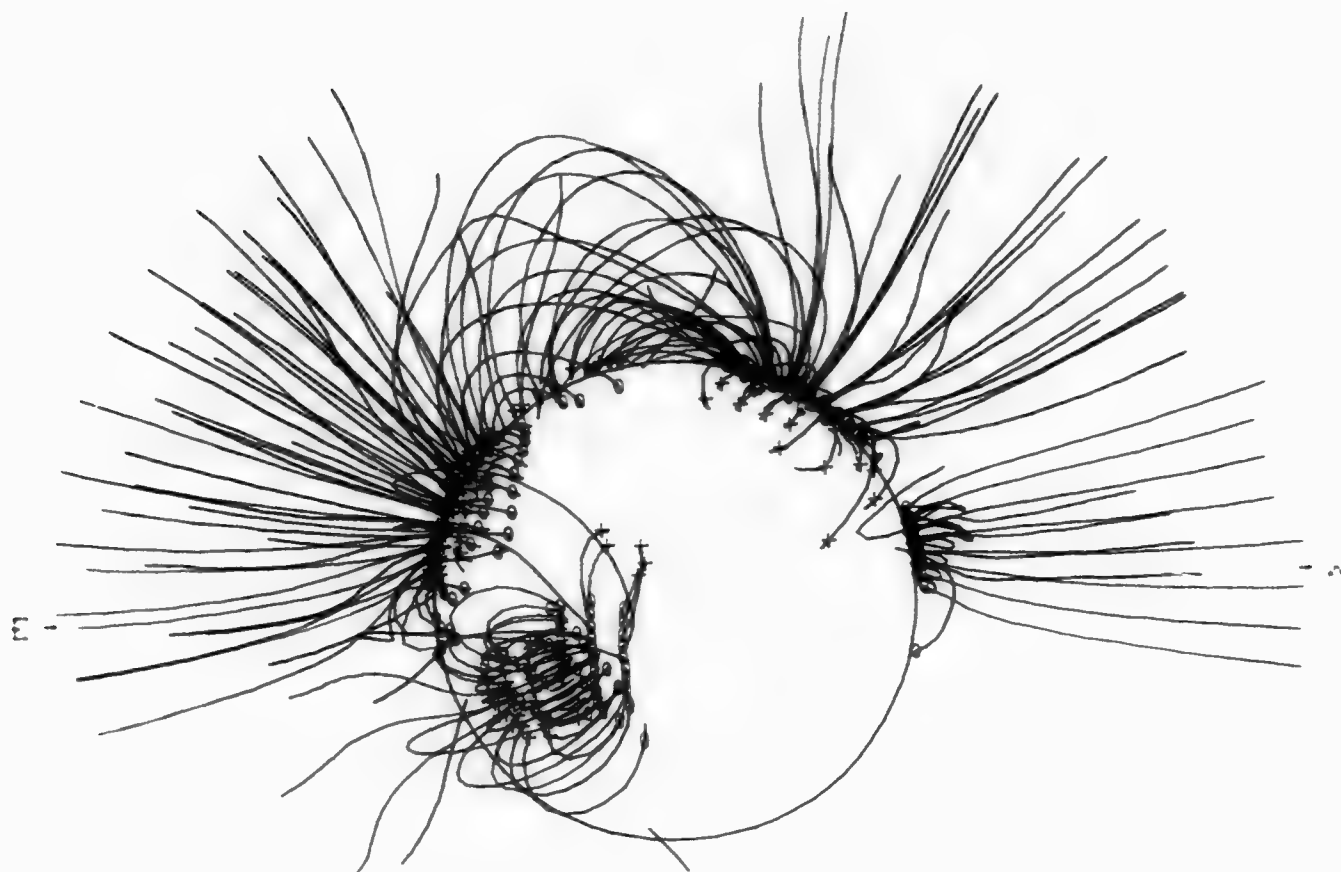
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY P.L.R.
 PILES DIRECT
 DATA WIND IN '53, '57

R.T. '53- L.V. '57
 '56 '57 '58

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

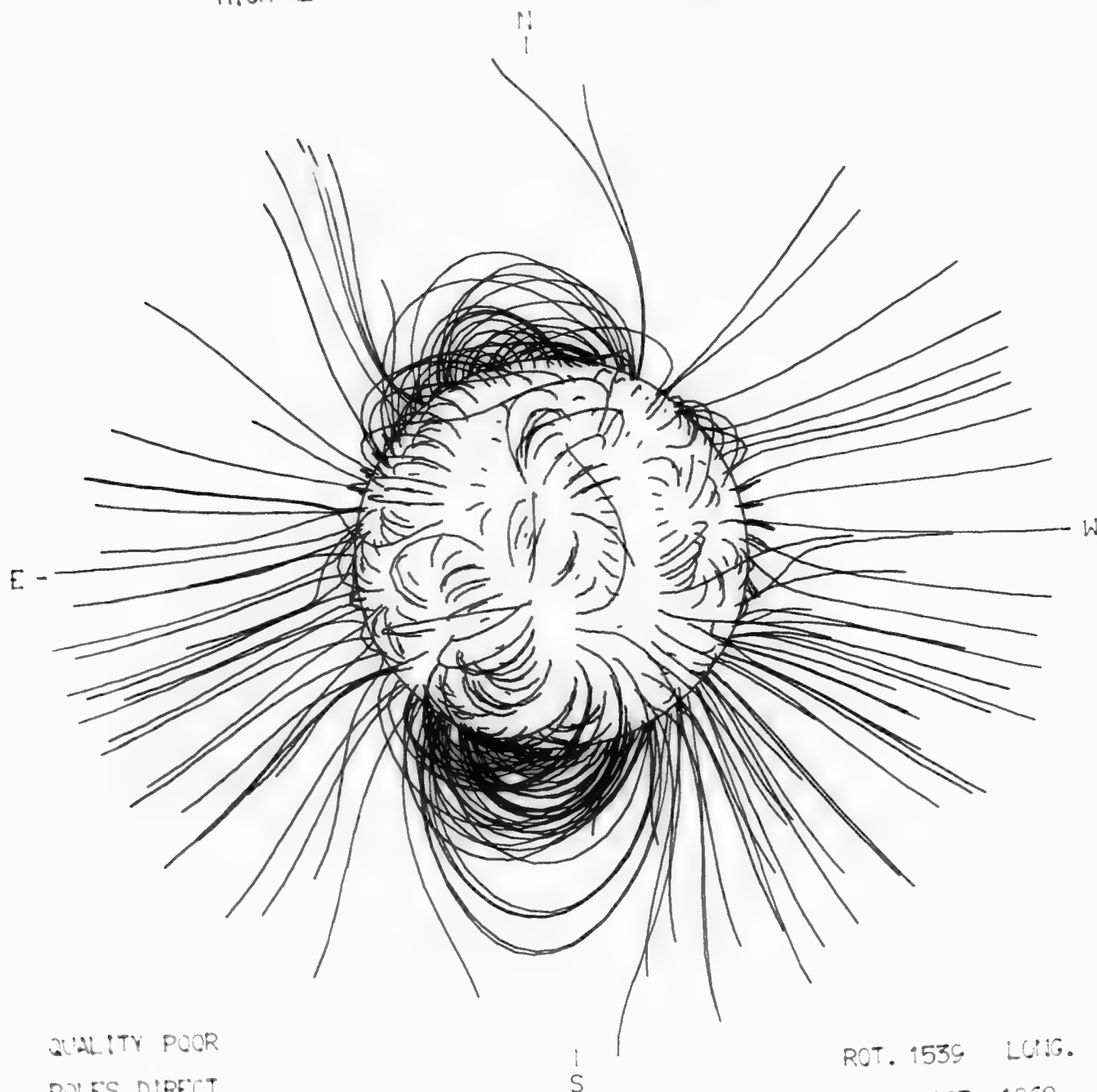


QUALITY POOR
 PAGES DIRECT
 DATA AND/OR "REPRODUCTION"

1
 S

8-7-1953 11:00 AM
 10.6 10.6 10.6

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



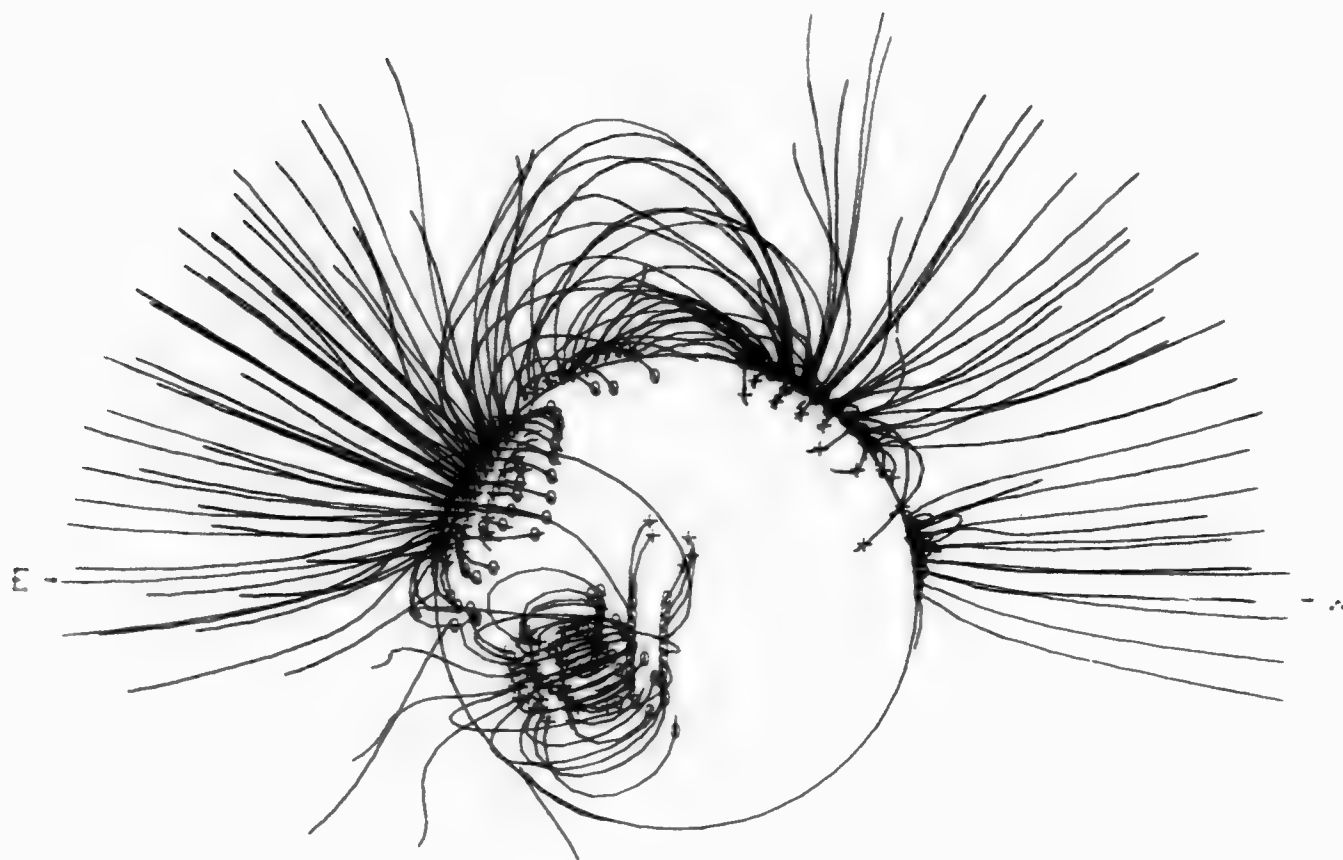
QUALITY POOR

POLES DIRECT

DATA WINDOW 1539.47

ROT. 1539 LONG. 40°
11.4 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



ALITY PUP

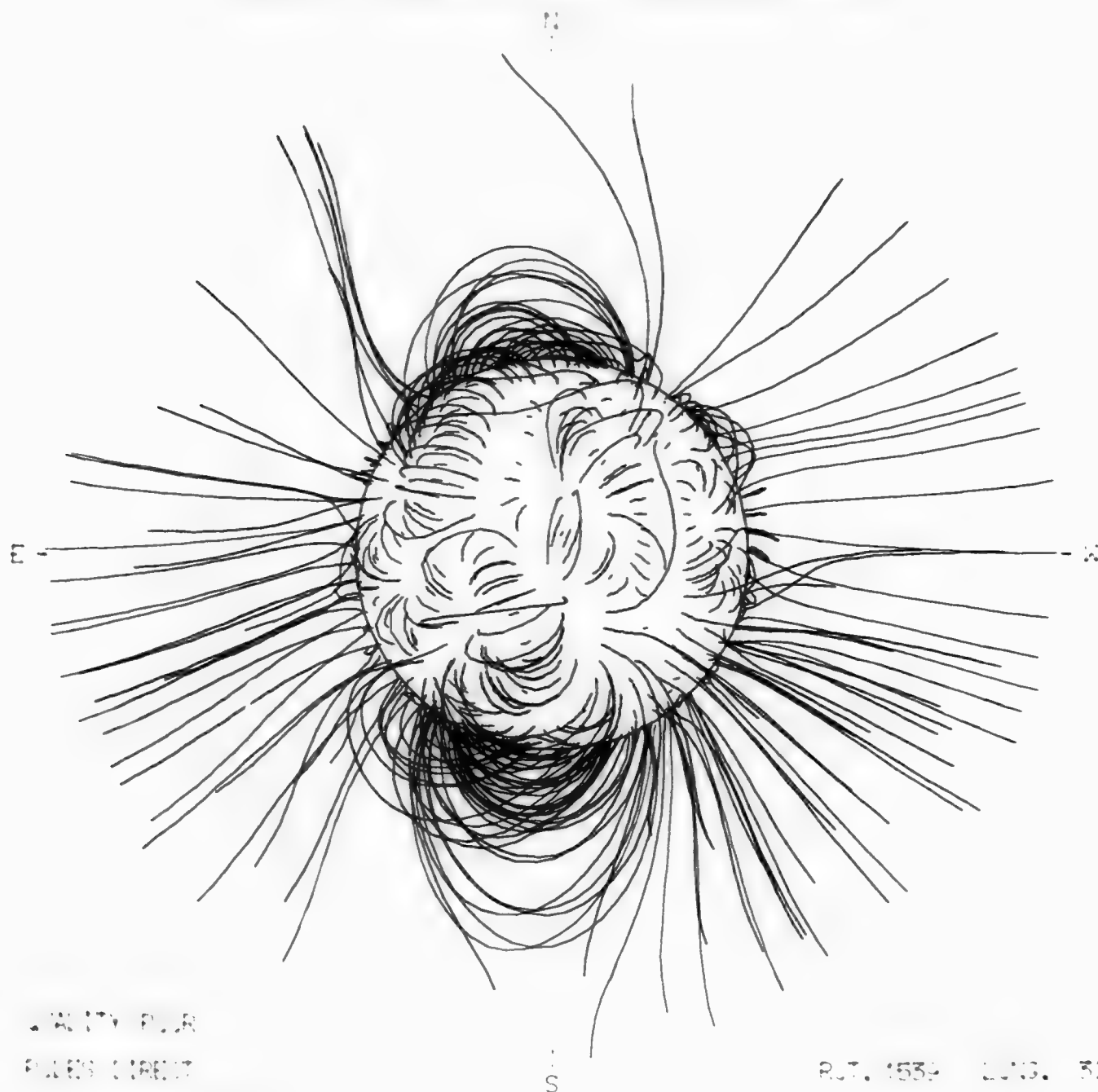
PULS DIRECT

DATA AND CA 1974.50

6.7.1984 11.11.84

11.11.84 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY P.L.R.

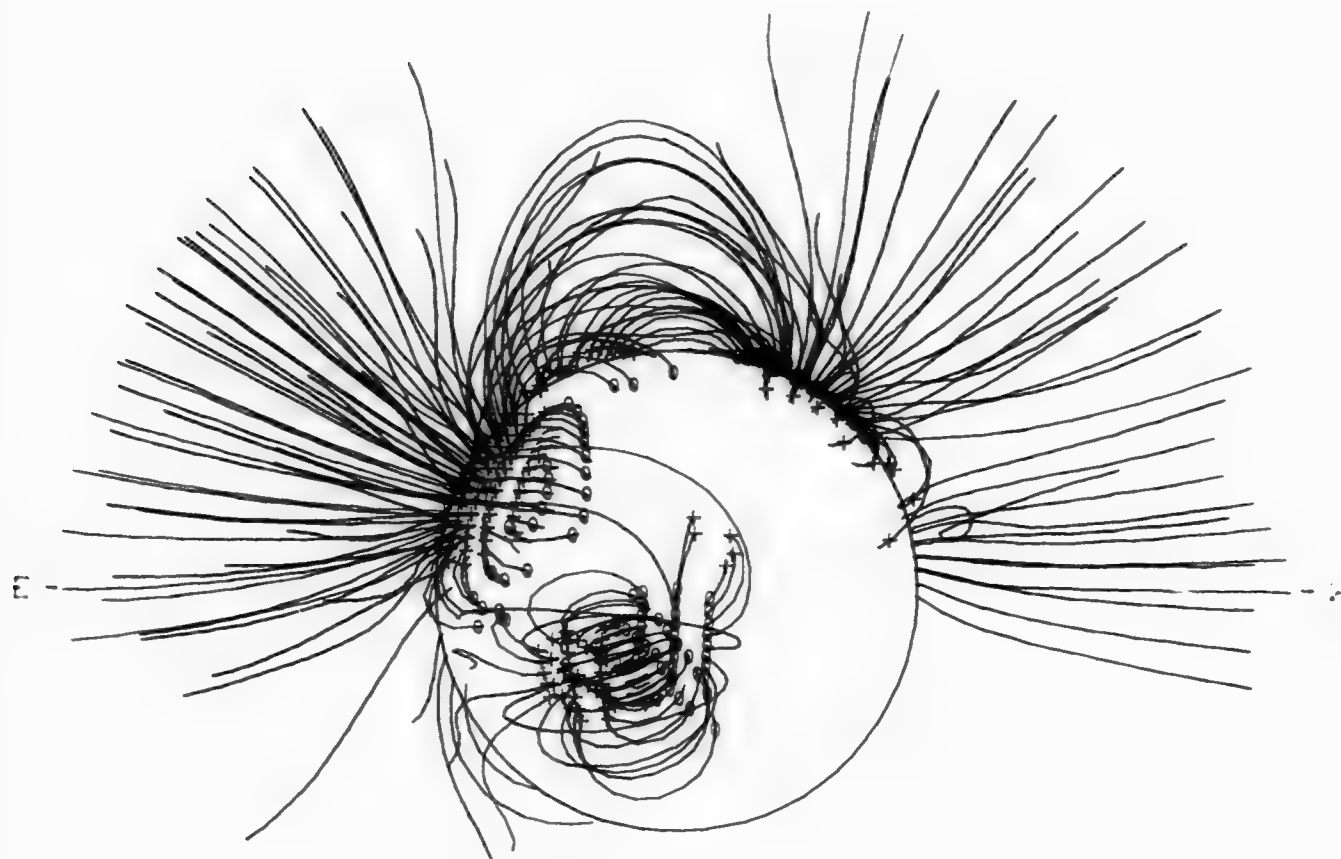
PALES DIRECT

DATA ACQUISITION

RCT. 1539 LING. 31°

12.1 1.1 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY P. J. R.

P. J. R. DIRECT

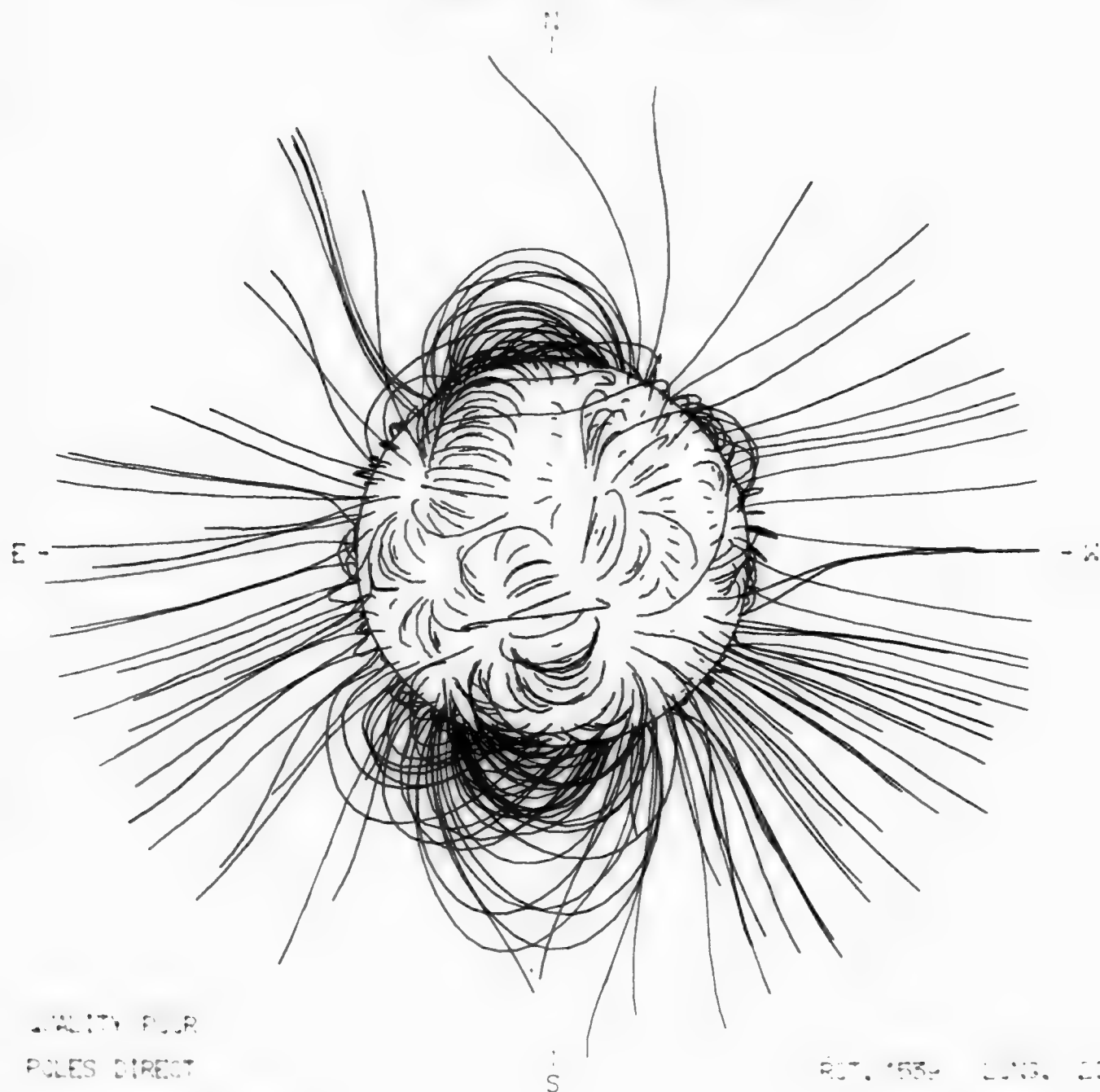
DATA WIND IN 1959.47

1
S

ROT. 1539 2.13. 50°

12.1 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

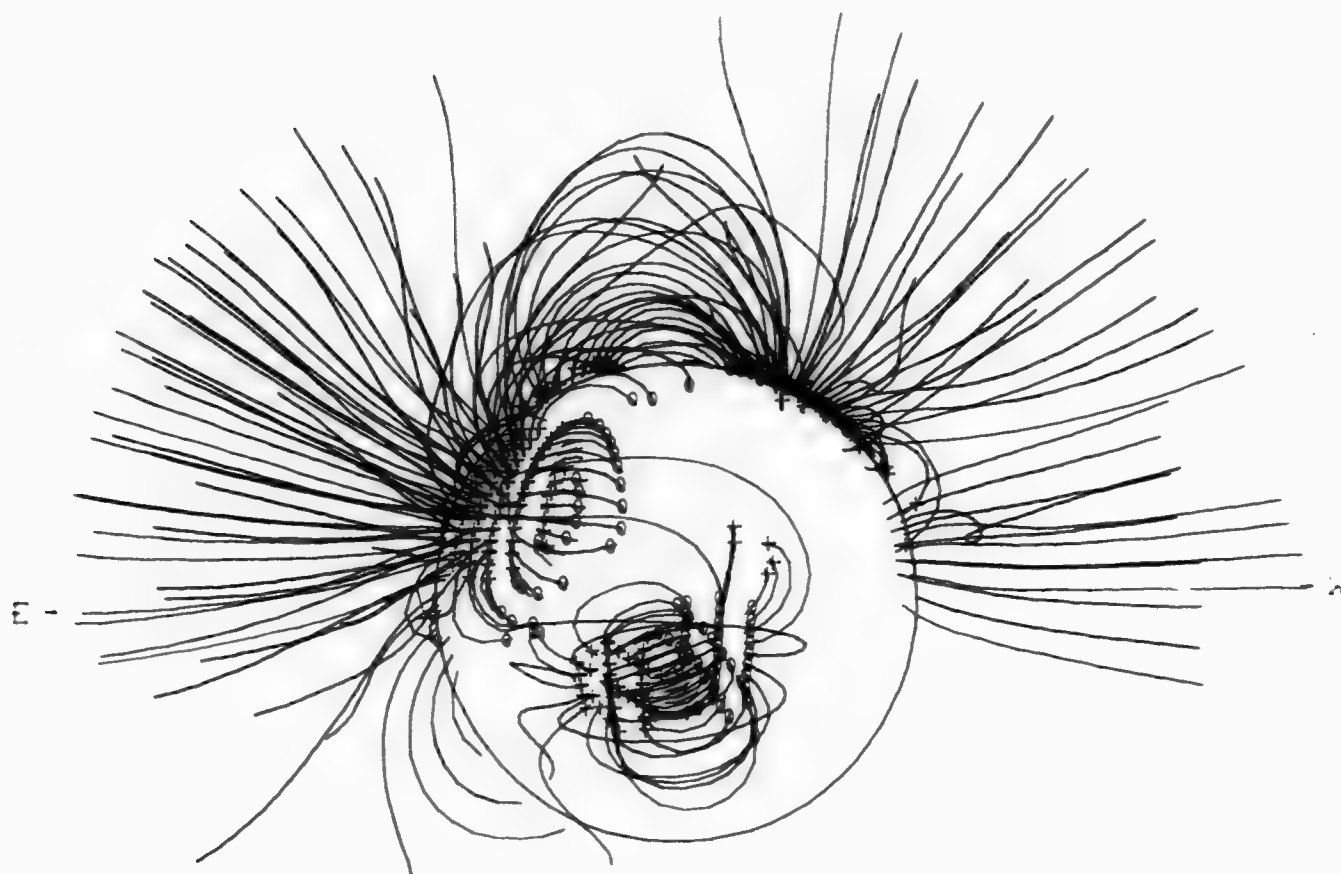
POLES DIRECT

DATA APRIL 1953, 1954

ROT. 153° LONG. 21°

12.9 117 1968

1

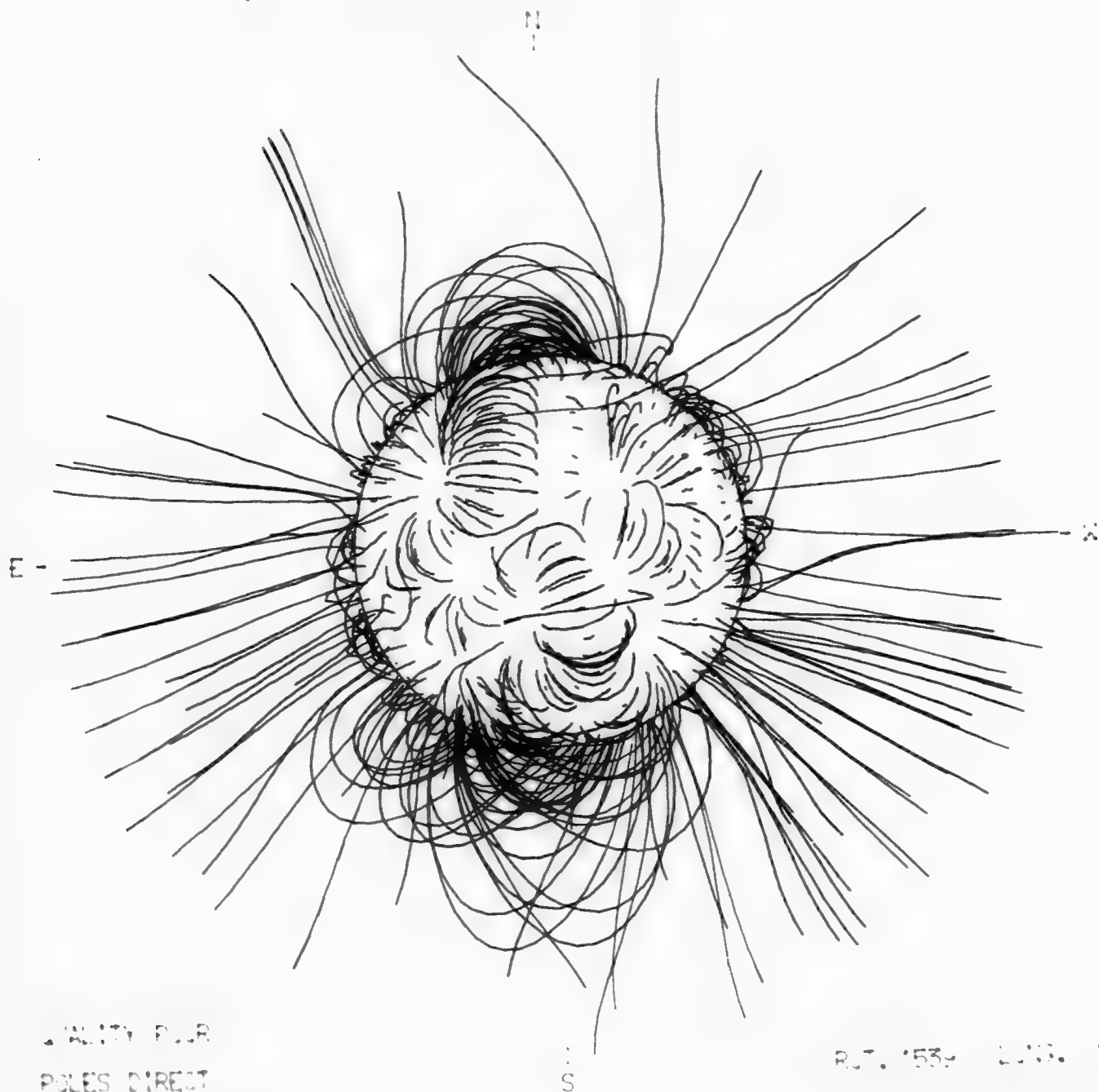


5

1950

Figure 1 consists of three line graphs showing the effect of temperature on the growth of *E. coli* O157:H7 in ground beef. The y-axis represents log CFU/g, ranging from 0 to 10. The x-axis represents time in hours, ranging from 0 to 10. The three graphs are for temperatures of 4°C, 10°C, and 16°C. At 4°C, growth is minimal, reaching approximately 1.5 log CFU/g after 10 hours. At 10°C, growth is moderate, reaching approximately 4.5 log CFU/g after 10 hours. At 16°C, growth is rapid, reaching approximately 9.5 log CFU/g after 10 hours.

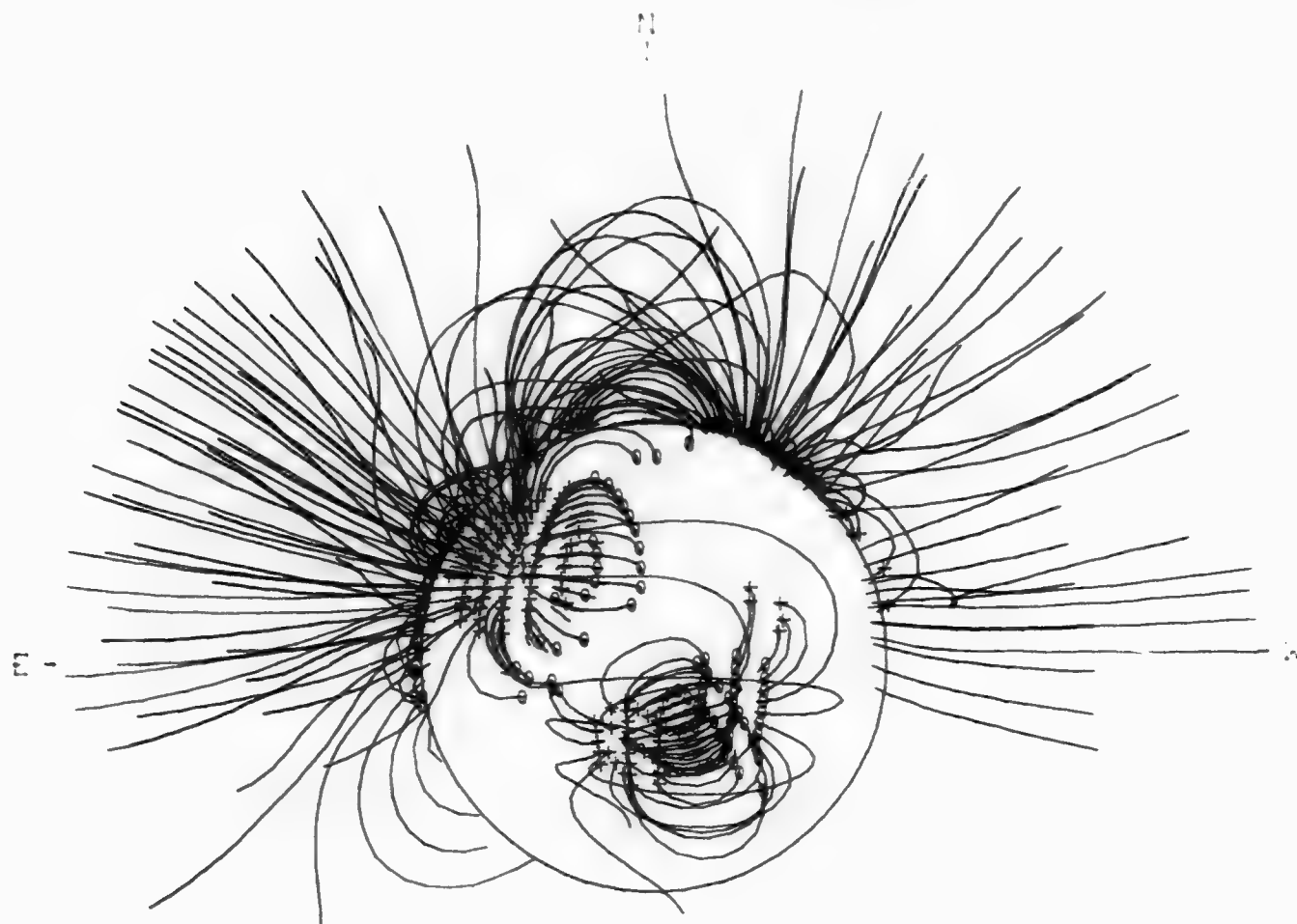
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR
POLES DIRECT
DATA WINDOW 1539.47

RJ. 1539 1113. 11°
13.7 107 1988

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

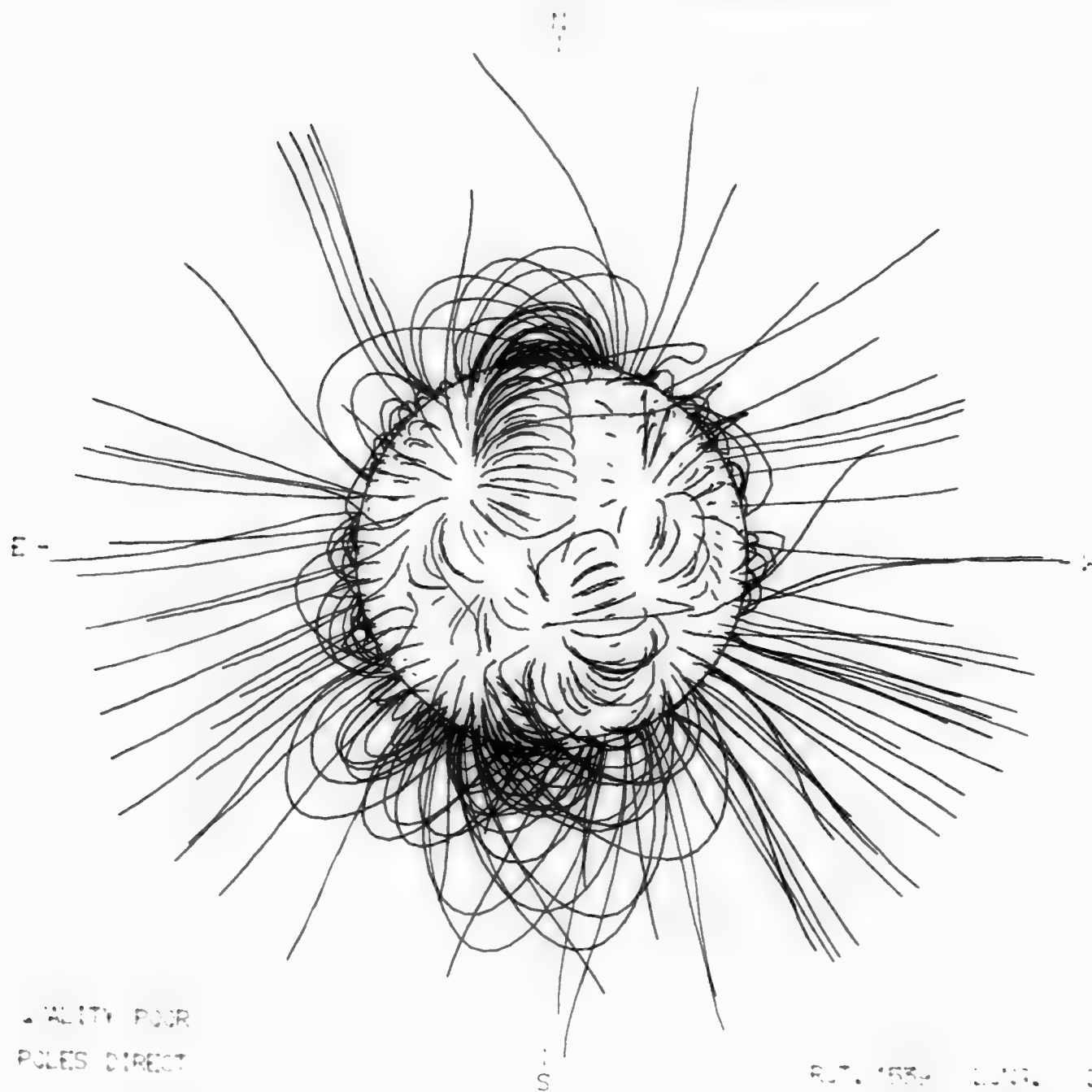
POLES DIRECT

DATA WINDOW 1539.47

RLT. 1539 2110. 10°

13.7 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

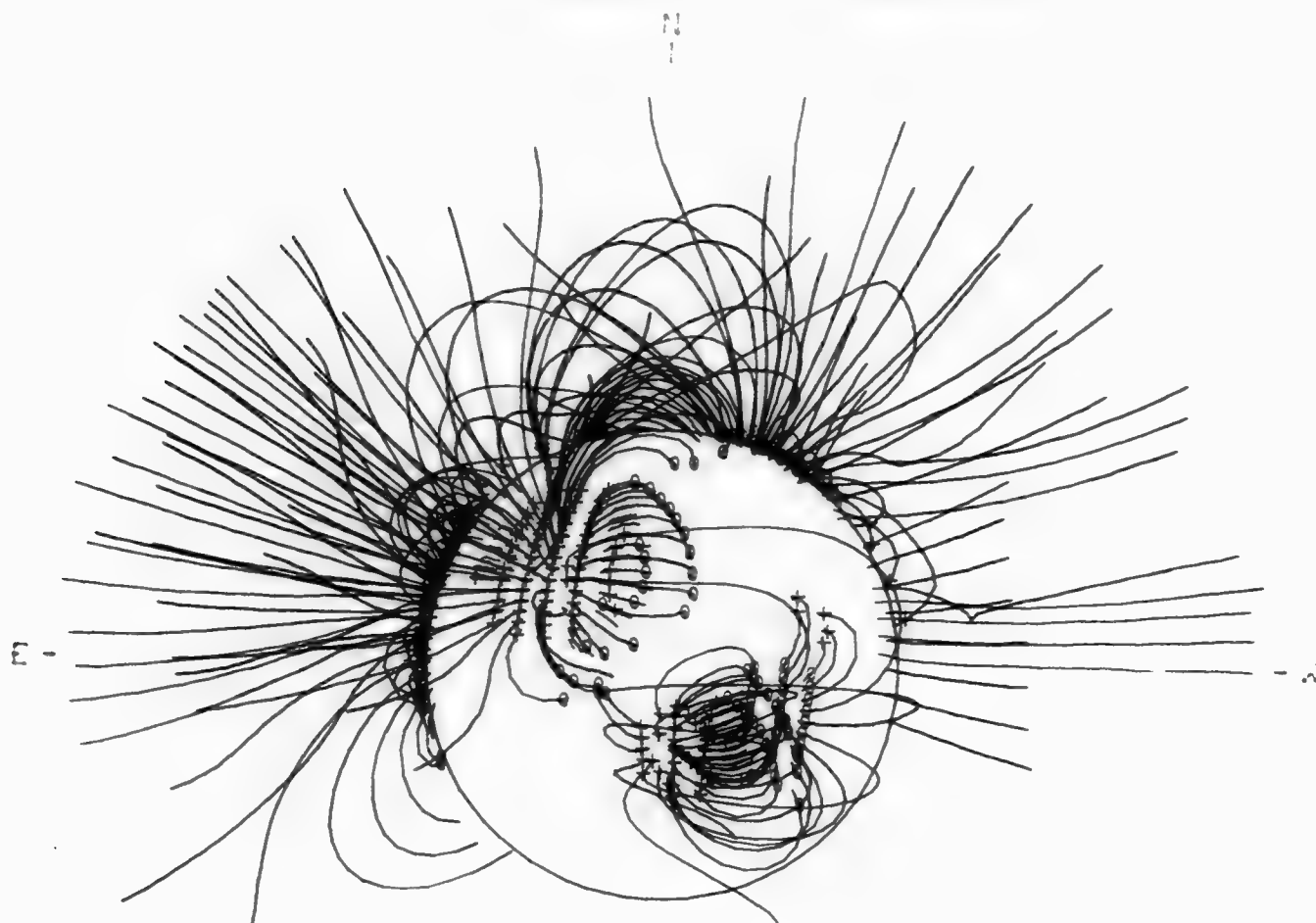
POLES DIRECT

DATA WINDOW 1539.47

RT. 1539.47

1539.47

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

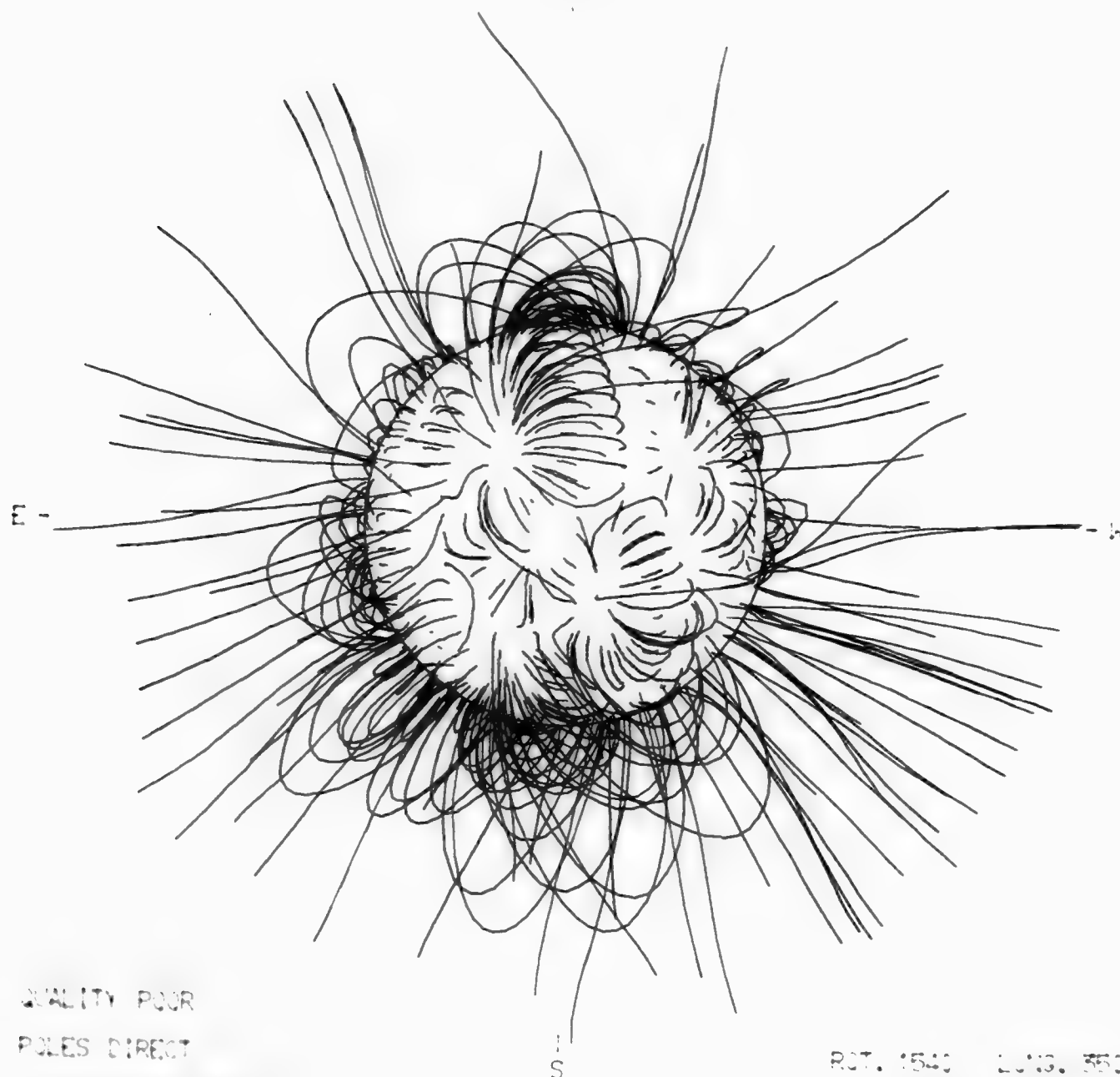
DATA AT 1530.00

S

RUT. 1530.00

14.4 15.7 16.8

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

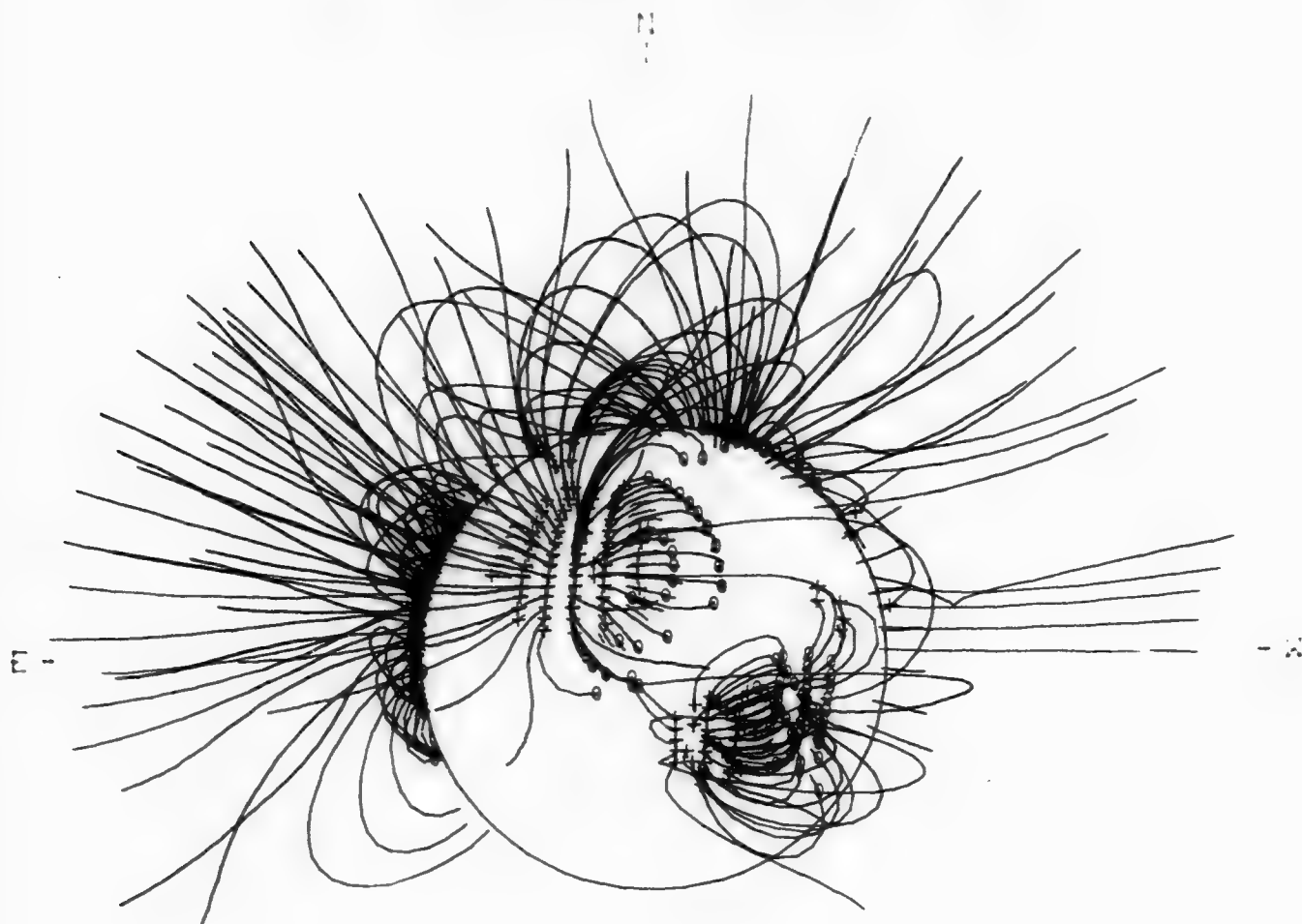
POLES DIRECT

DATA WINDON 1934.4

ROT. 1540 LONG. 350°

15.2 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

POLES DIRECT

DATA APRIL 1539.47

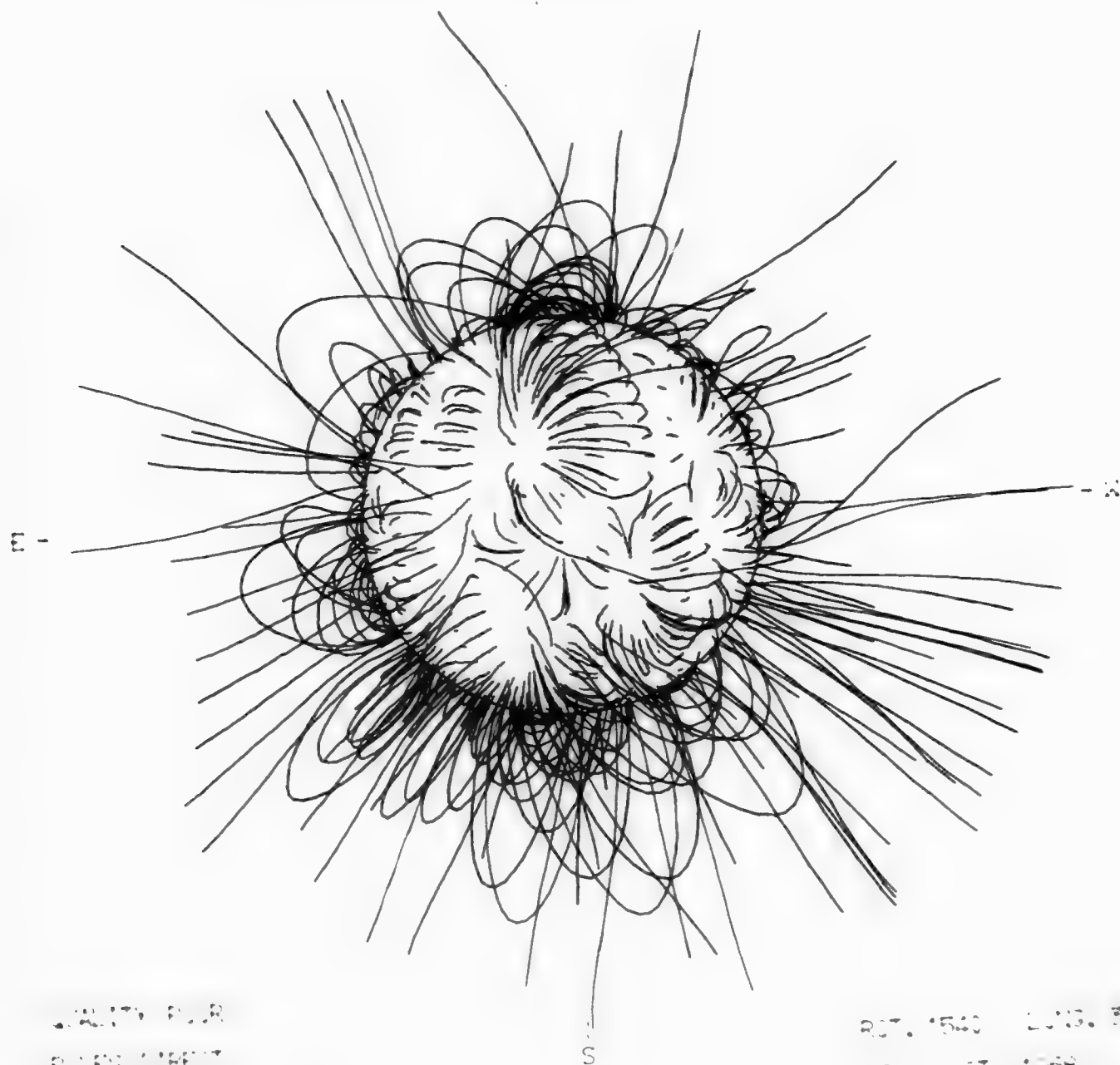
S

R.T. 1540

LONG. 350°

15.2 OCT 1968

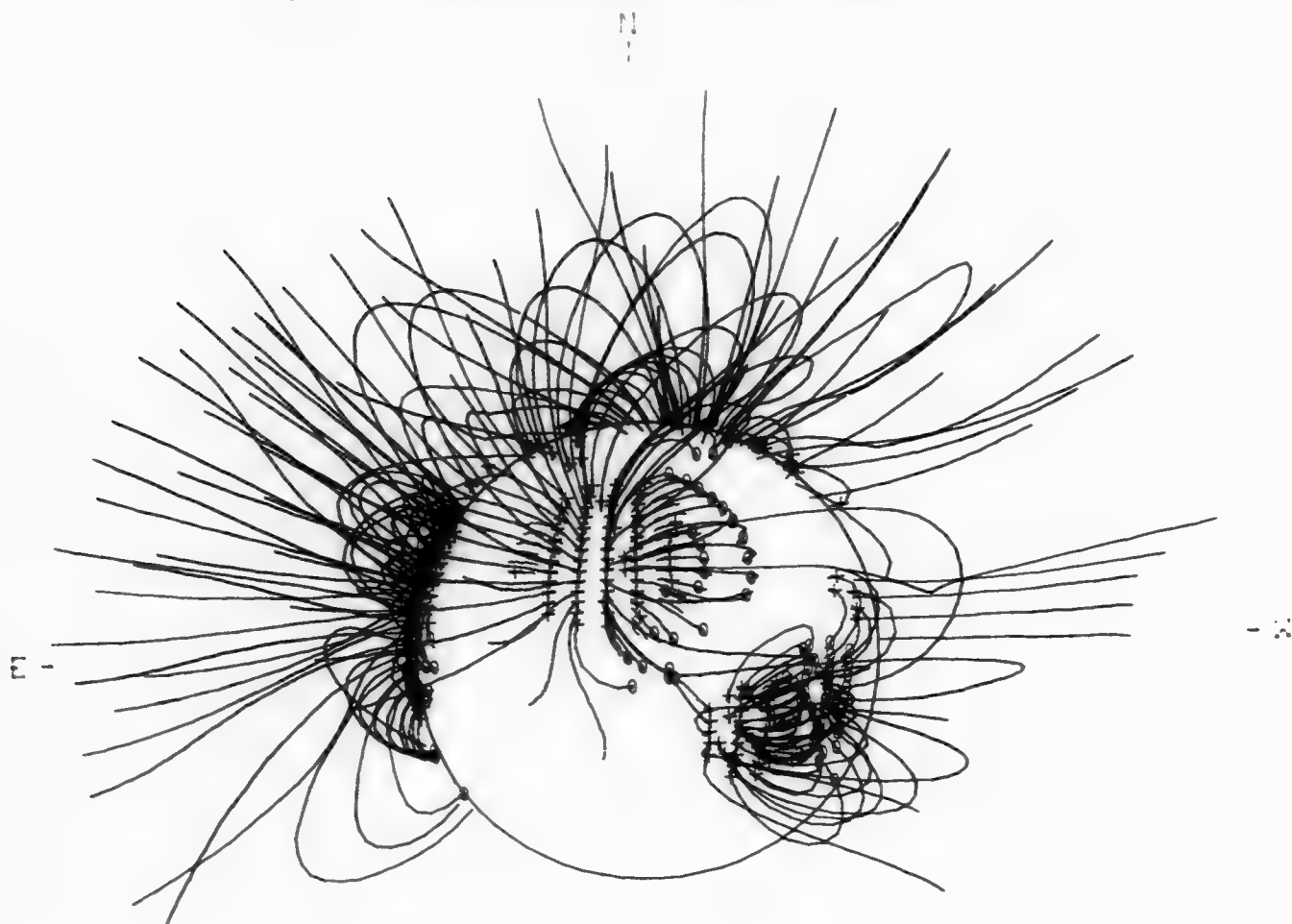
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR
 PAGES DIRECT
 DATA NUMBER 1539.47

ROT. 1540 LONG. 340°
 15.1 15.1 15.1

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

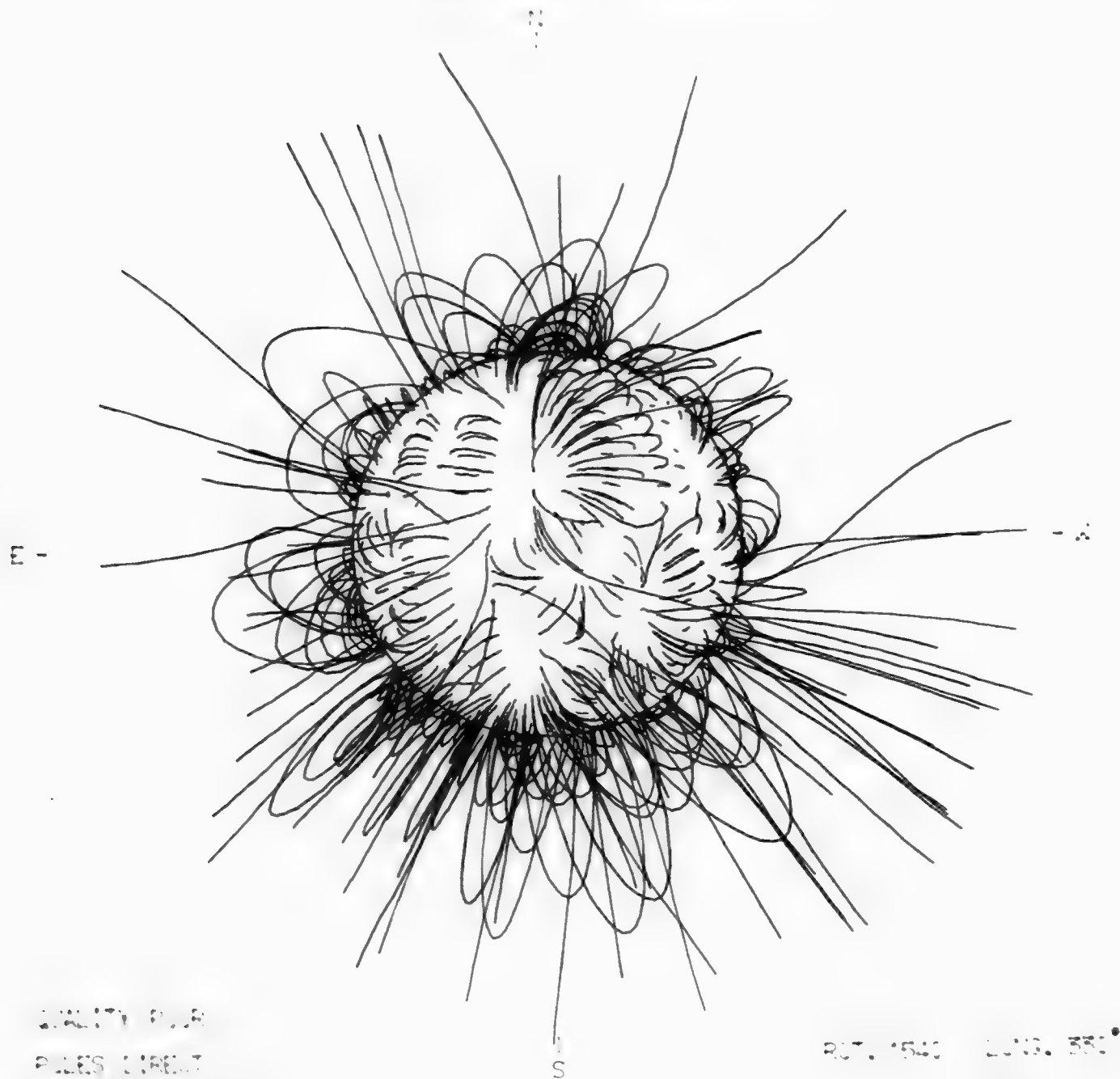
DATA WINDOW 1539.47

S

R.T. 1540 2113.540°

15.9 107 1968

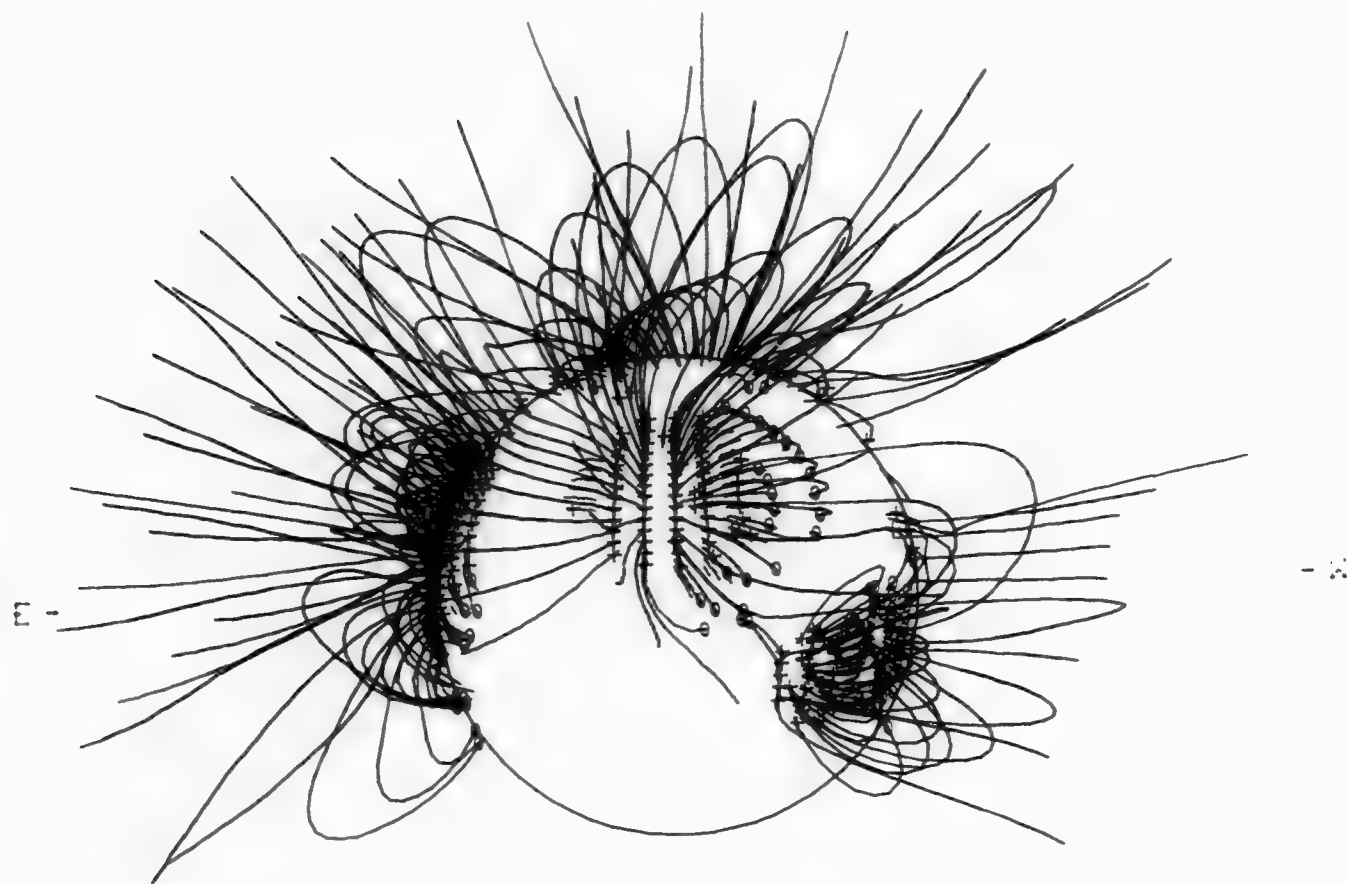
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY P/LR
 PILES C/RENT
 DATA WINDOW 1539.47

ROT. 1540 LONG. 351°
 15.7 17 1.60

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

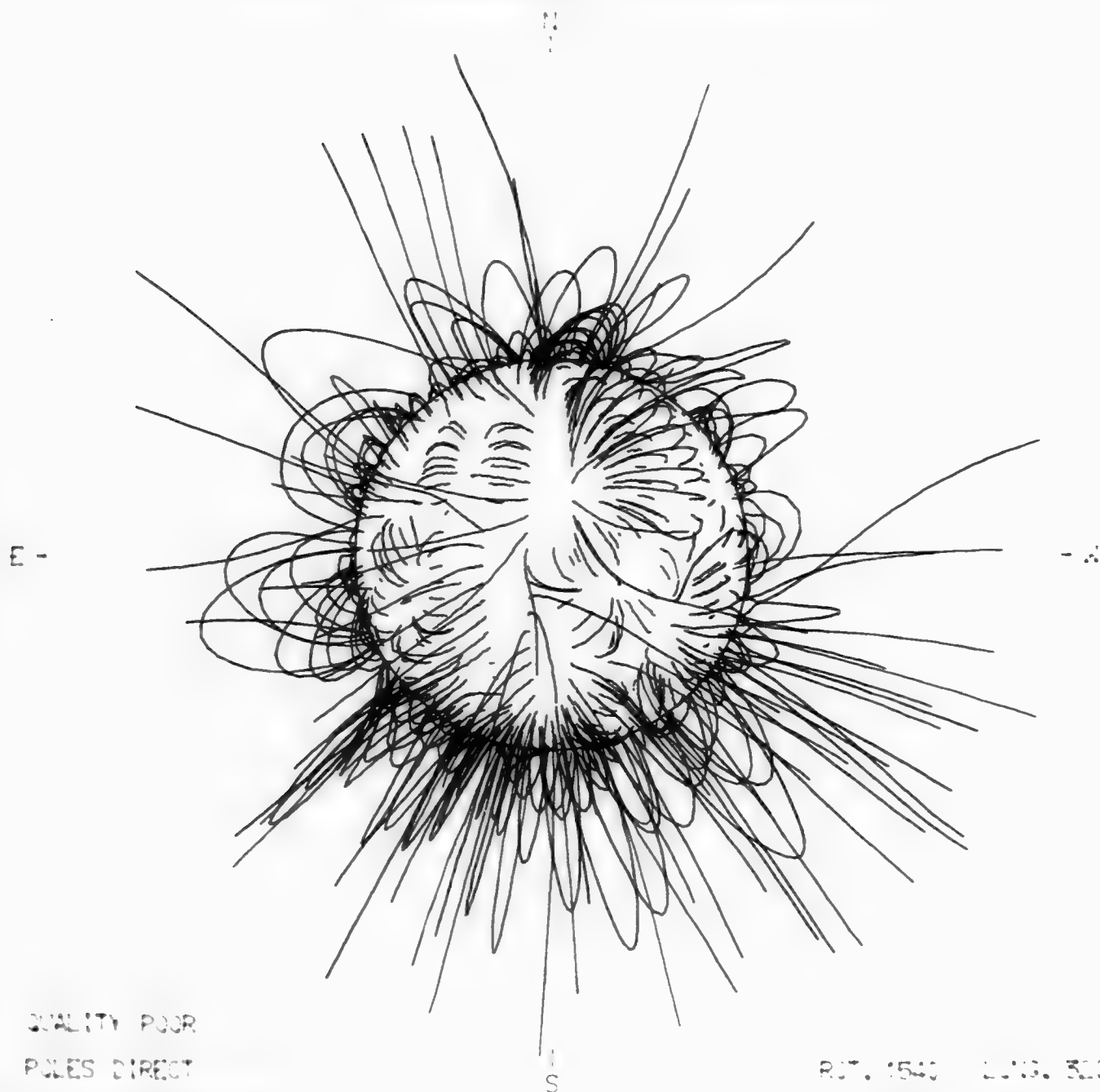


QUALITY FOUR
FILES DIRECT
DATA APRIL 1939.47

S

ALT. 1540 LONG. 330°
15.7 107 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

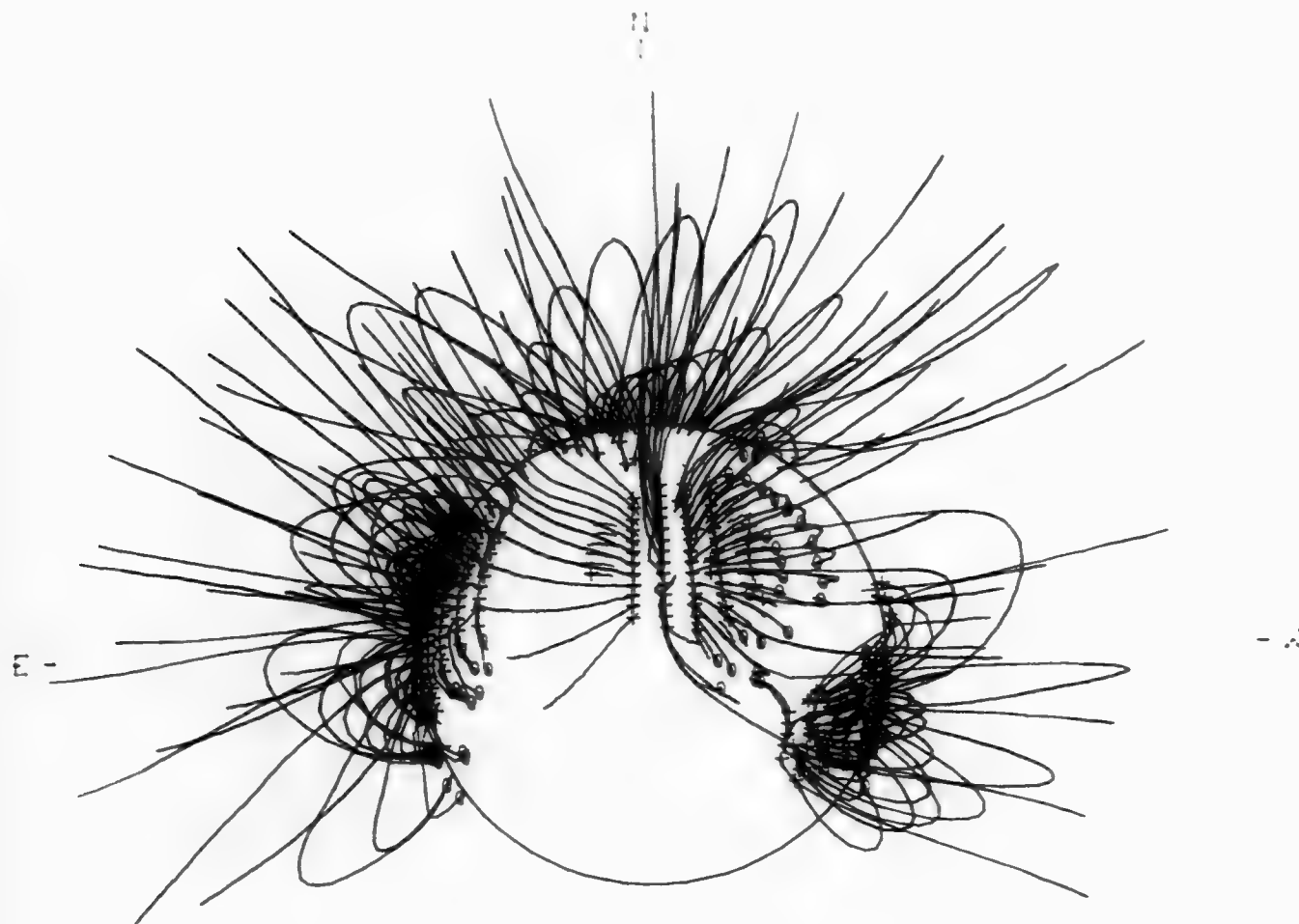
POLES DIRECT

DATA WIND ON '53, 47'

R.T. 1540 L.T.G. 300°

17.4 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FOUR

POLES DIRECT

DATA WINDOW 1539.47

N
S

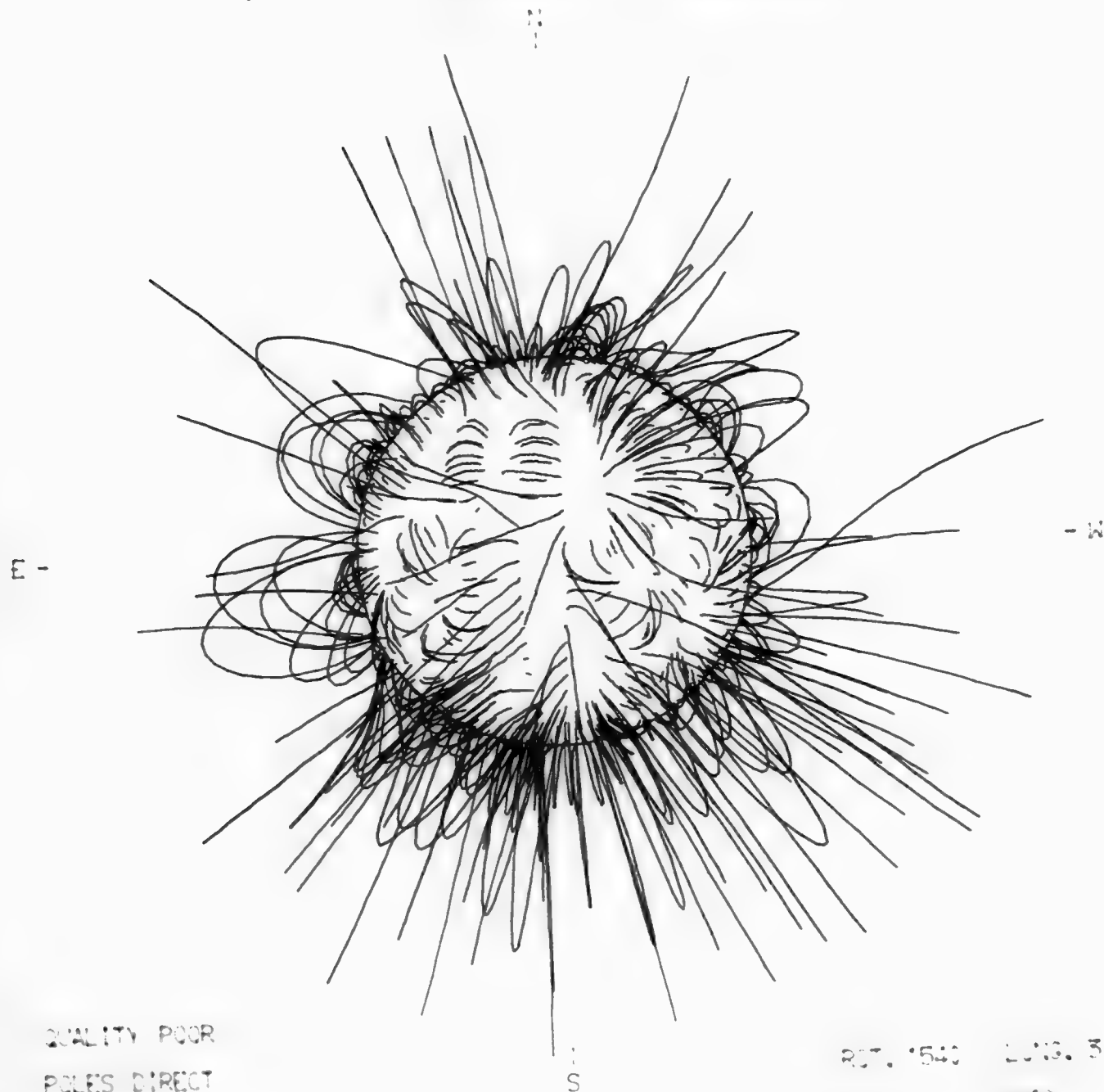
207.1540

208.300°

17.4 107

1508

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

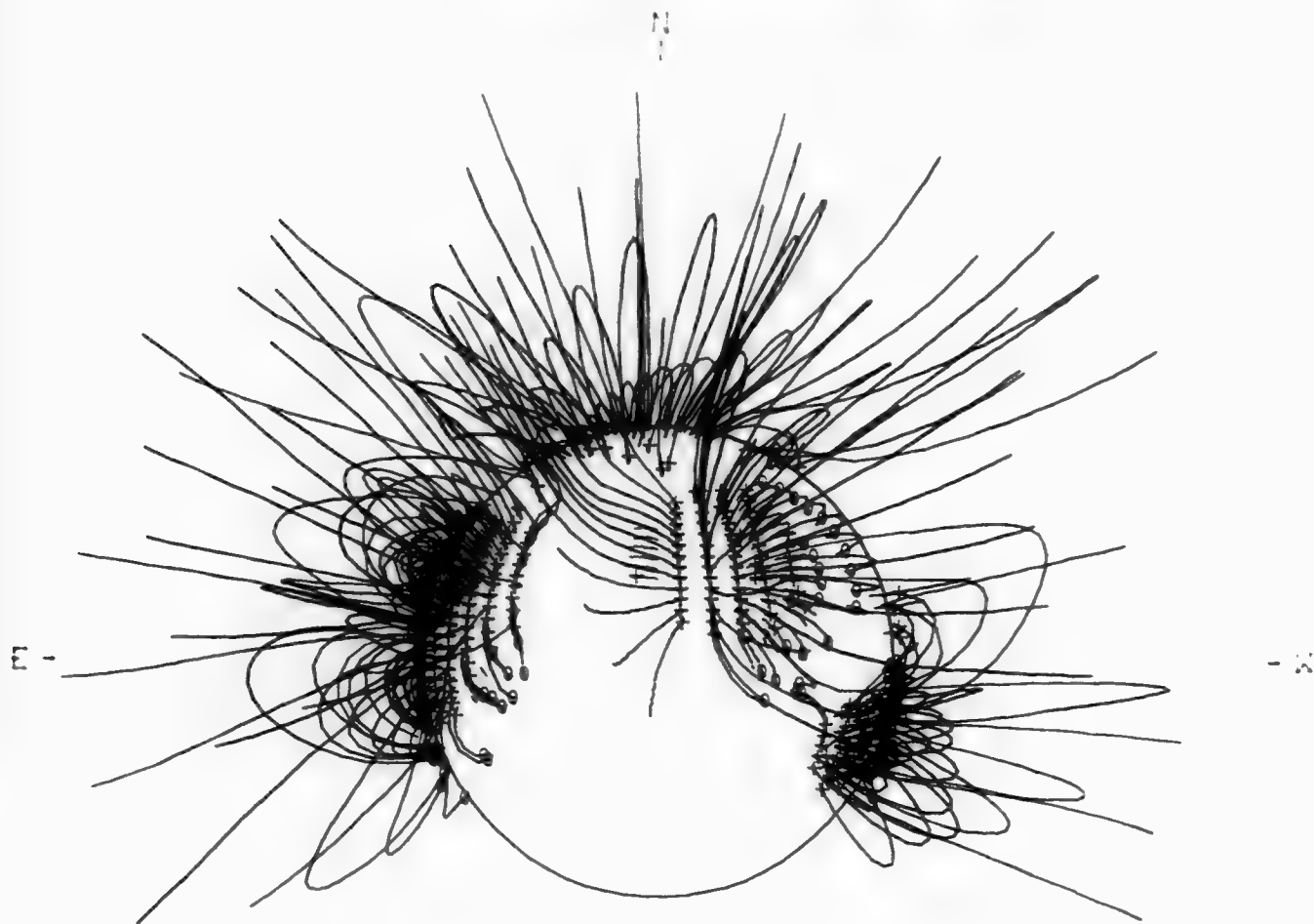
POLES DIRECT

DATA WINDOW 1539.4"

ROT. 1540 LONG. 310°

18.2 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

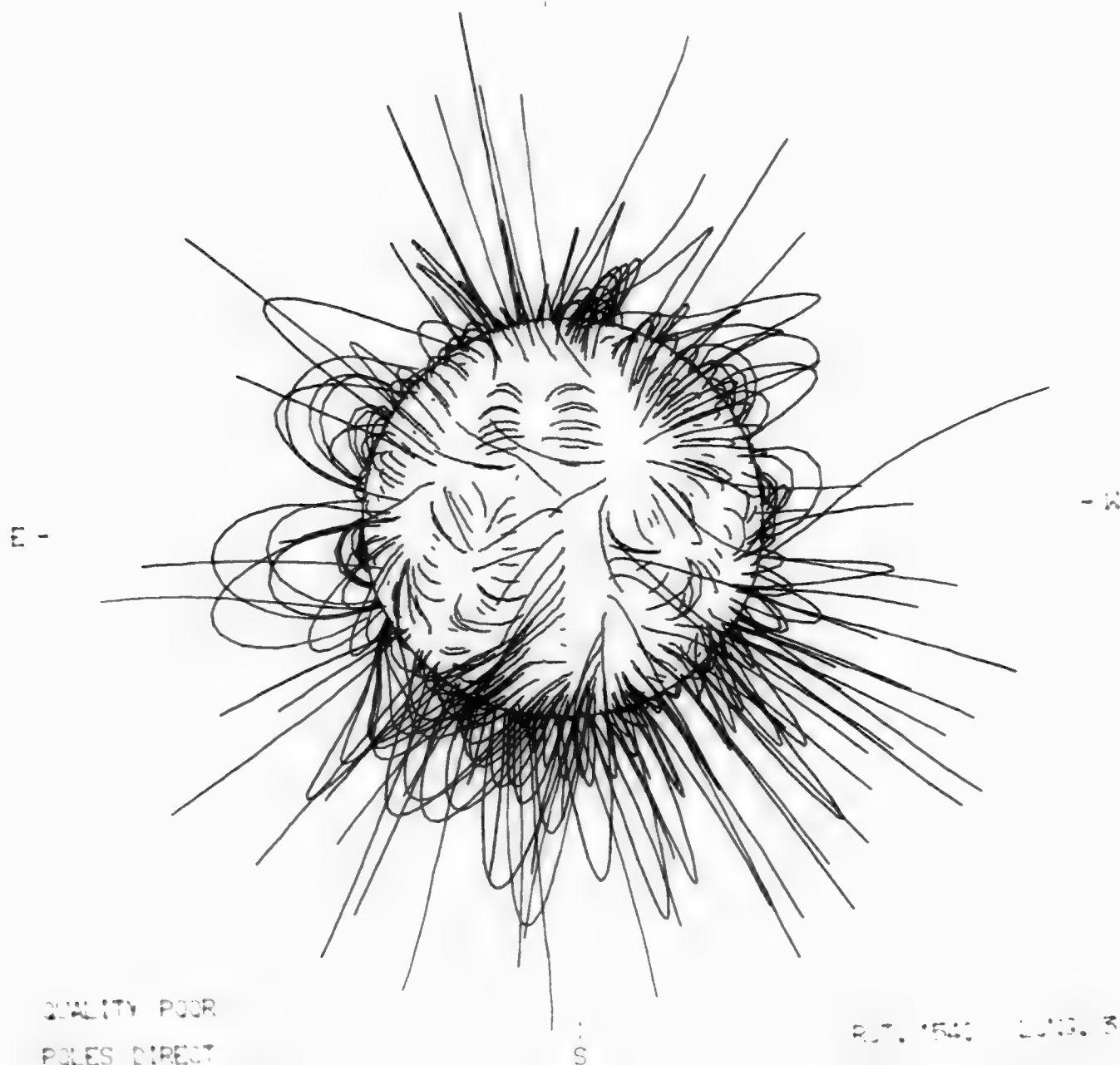
DATA WIND IN 1539.4"

S

RJT. 1540 2013. 5:00

18.2 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

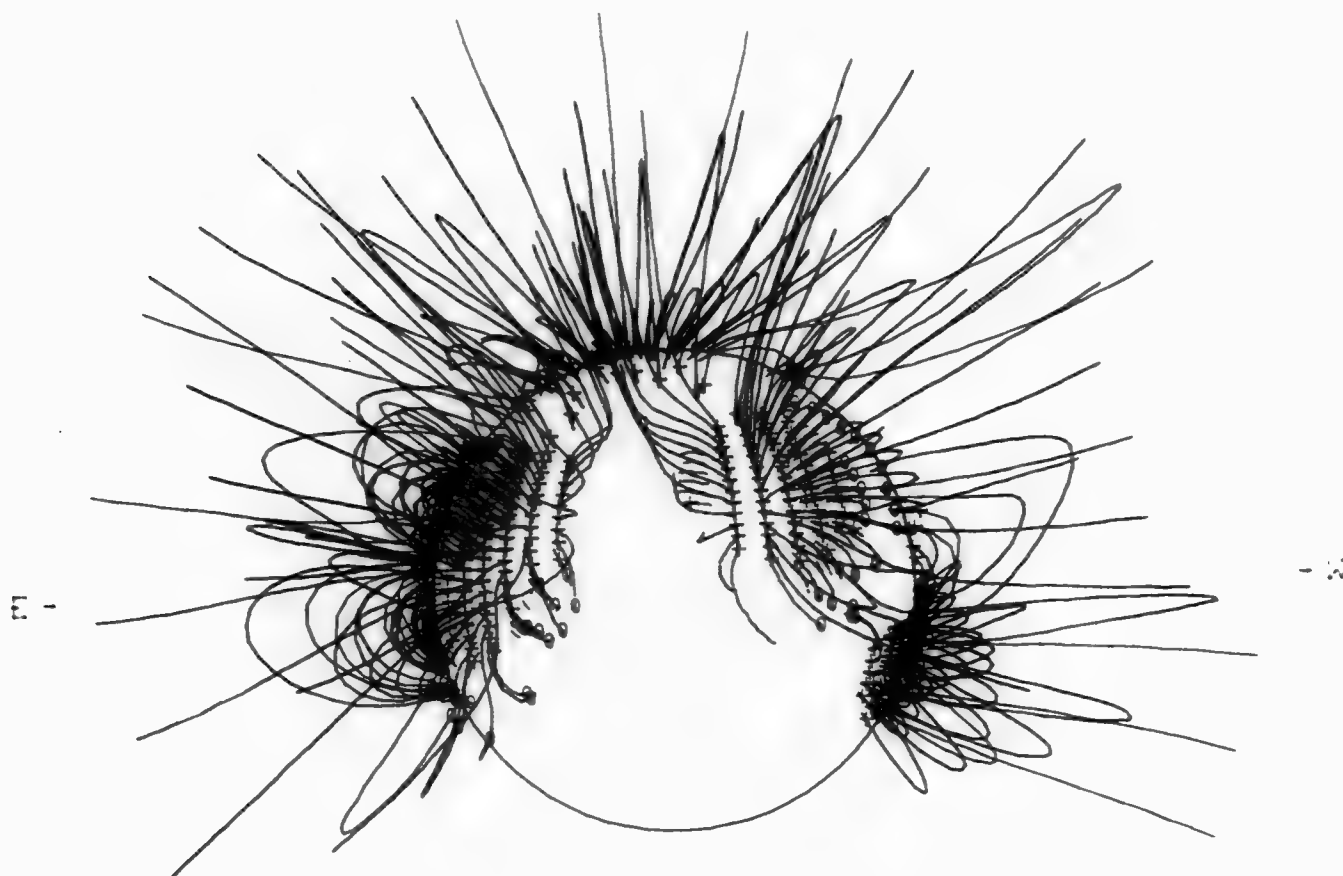
POLES DIRECT

DATA NUMBER 1539.47

RUT. 1540 LUT. 300°

1960 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

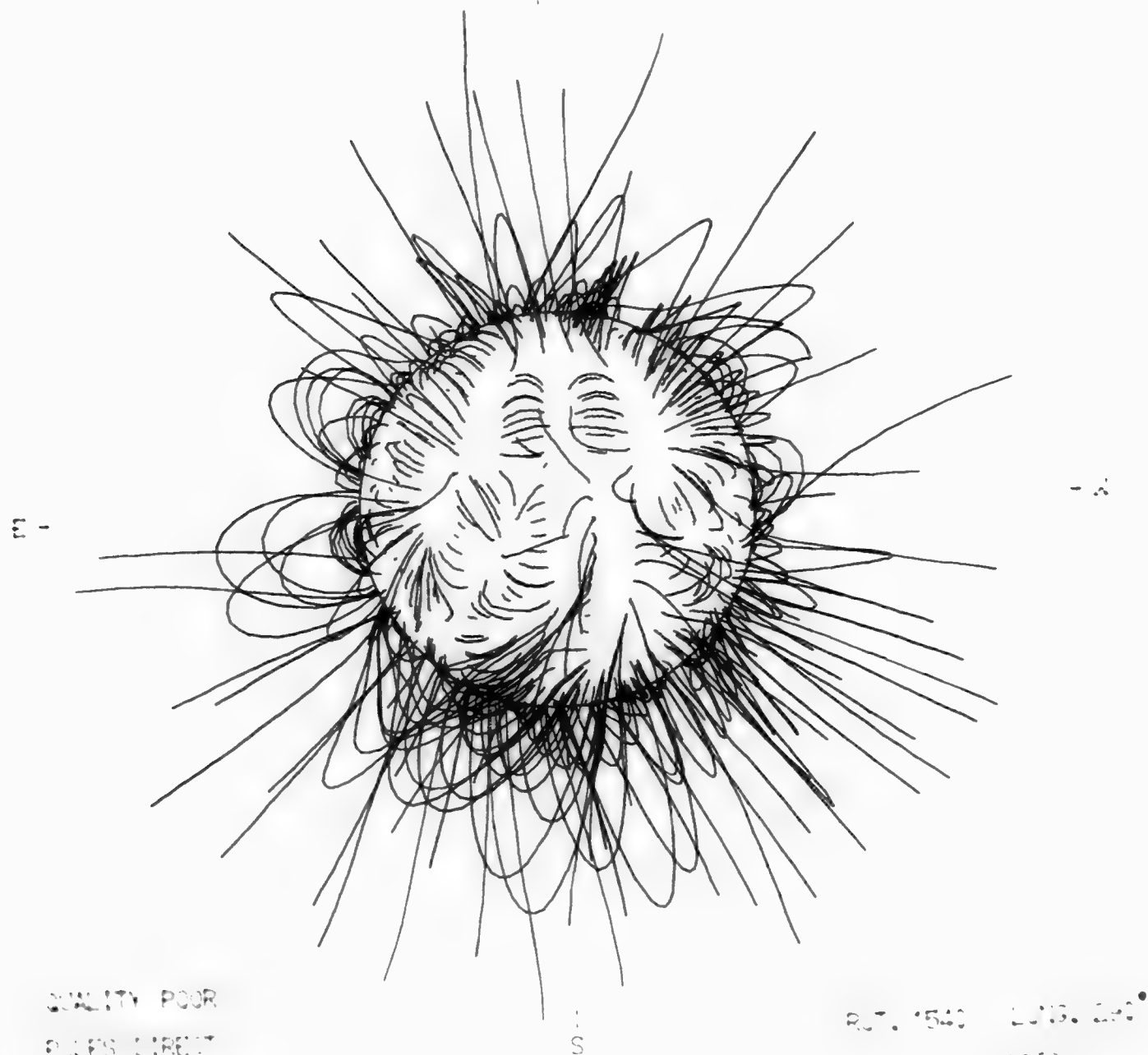
DATA AREA IN 1534.47

S

R.T. 1540 2110.300°

19.0 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



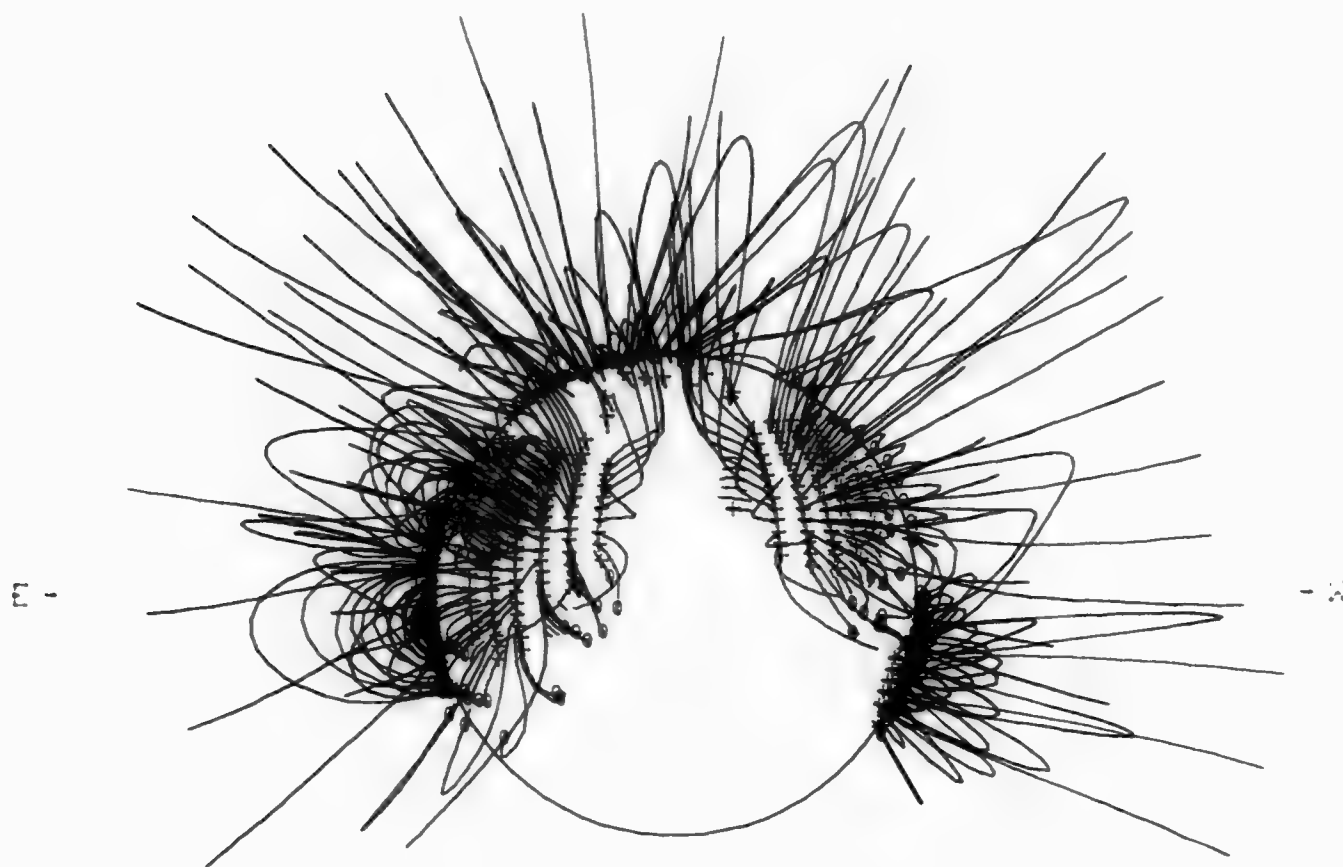
QUALITY POOR

FILES CURRENT

DATA WINDOW 1539.47

ROT. 1540 LONG. 240°
19.7 197 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

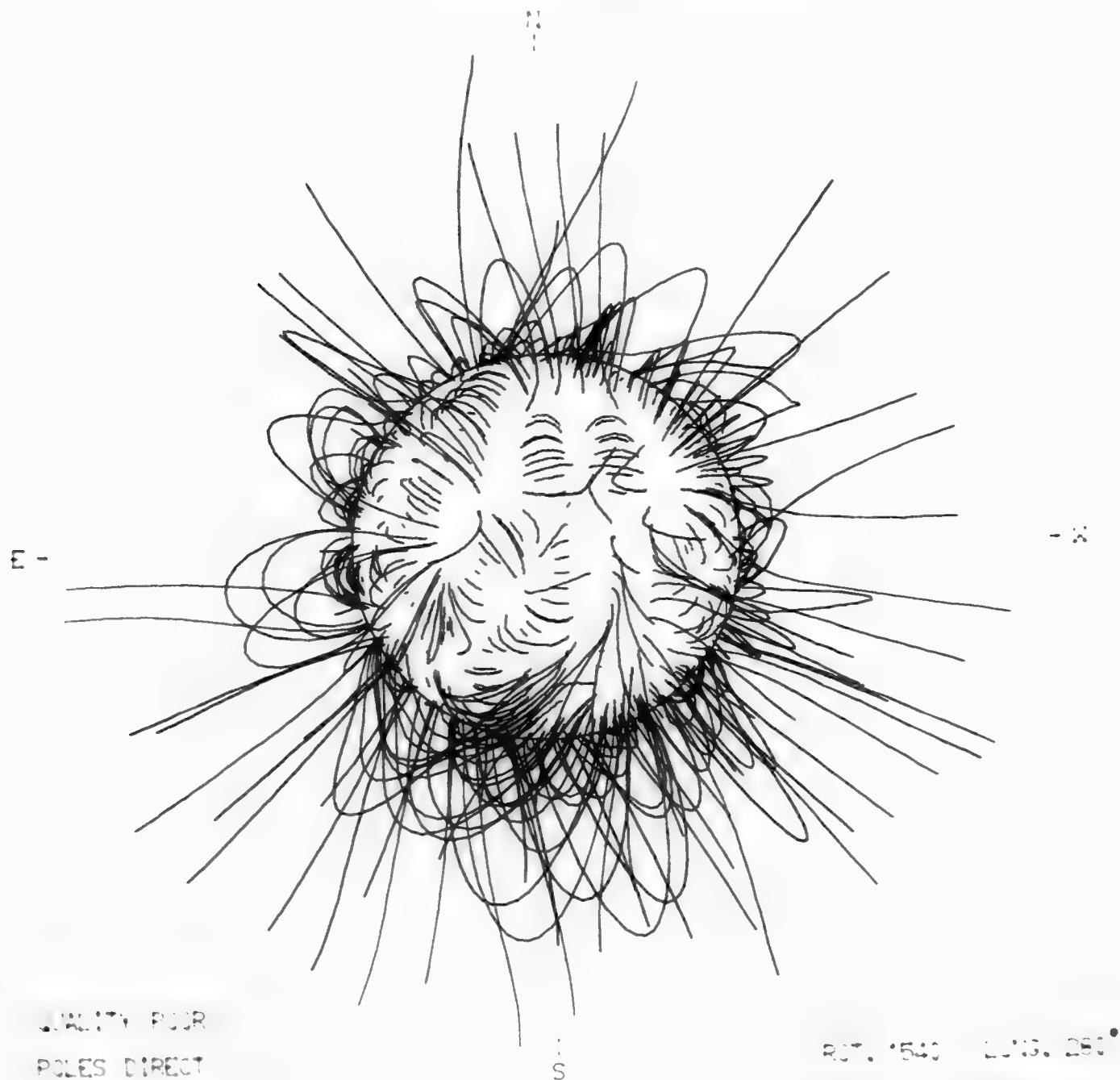
DATA WIND JN 1539.47

5

RUT. 1540 LONG. 291°

19.7 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

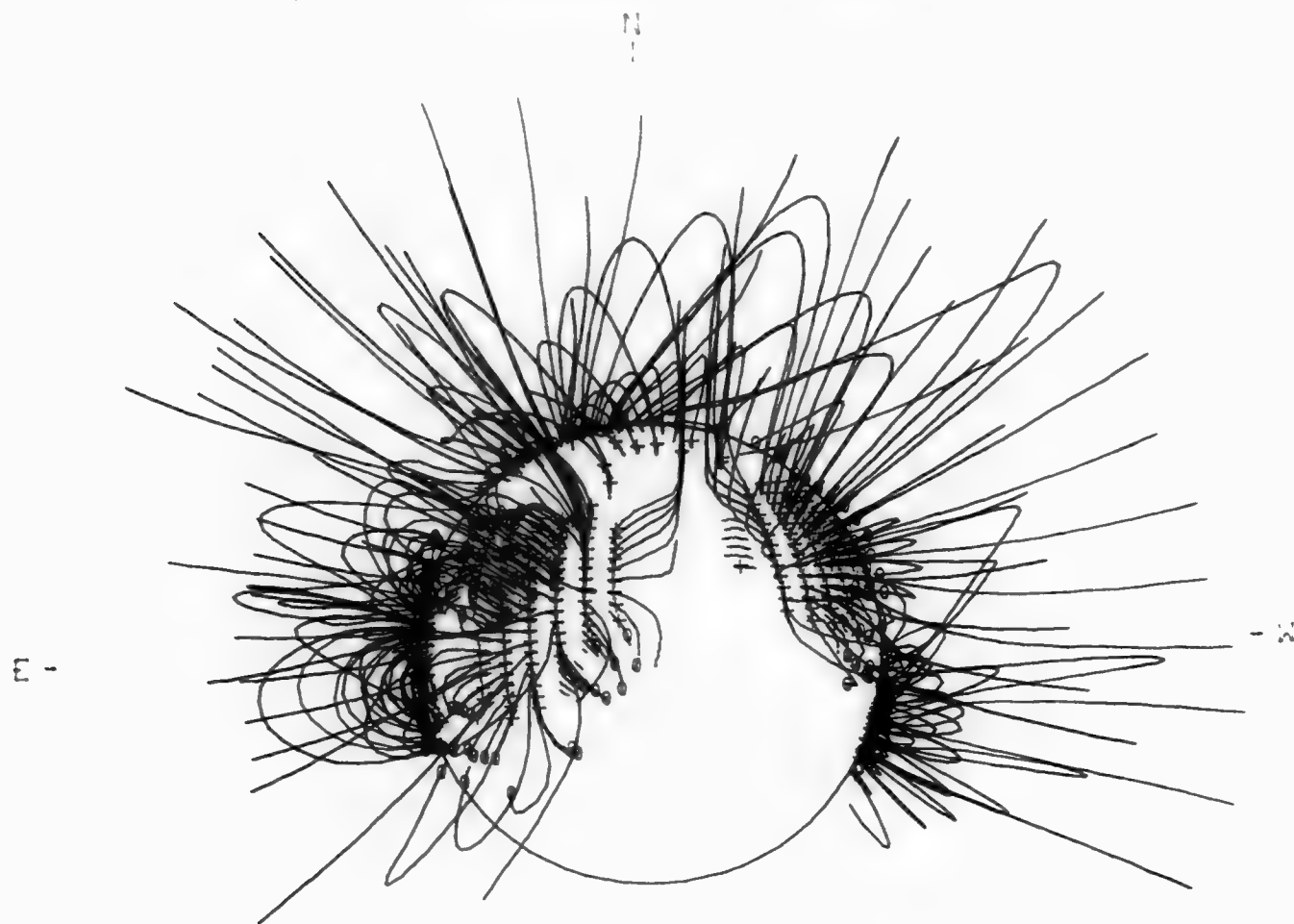
POLES DIRECT

DATA WINDOW 1539.47

RUT. 1540 LUTS. 281°

20.5 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

FILES DIRECT

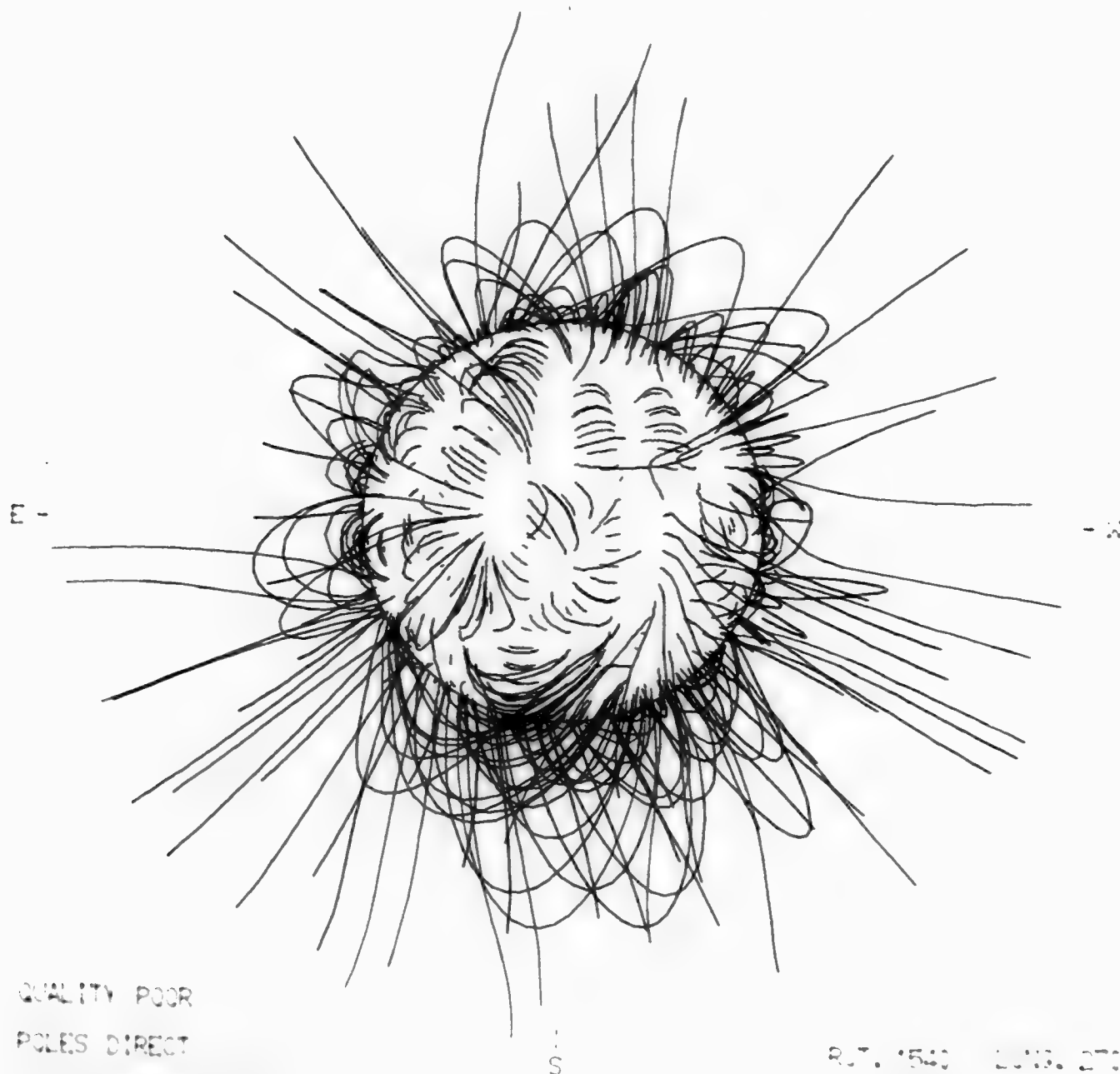
DATA WINDOW 1539.47

1
S

ROT. 1540 LONG. 280°

20.5 117 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

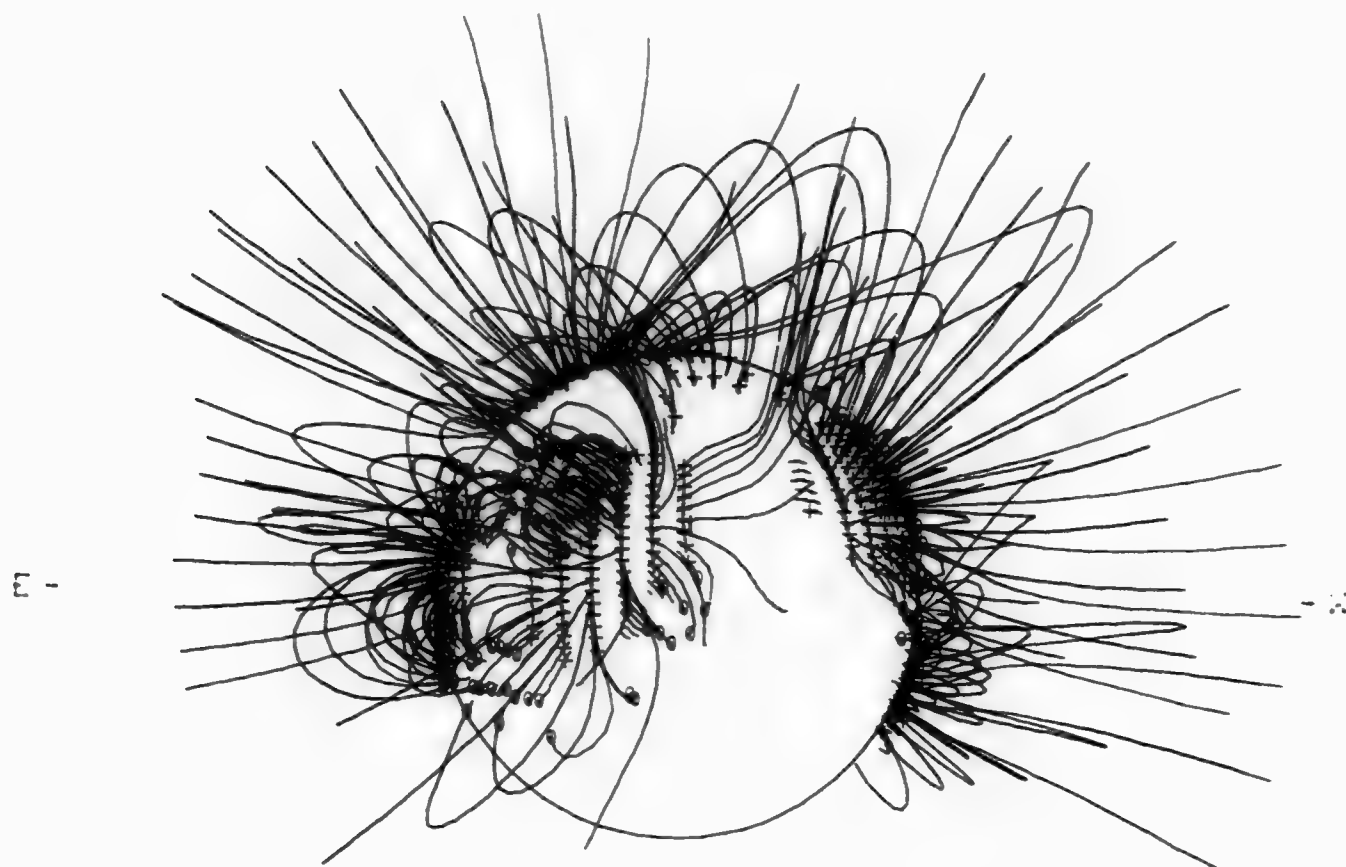
POLES DIRECT

DATA WIDE IN '53, '57

R.T. '540 2113.271°

21.2 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

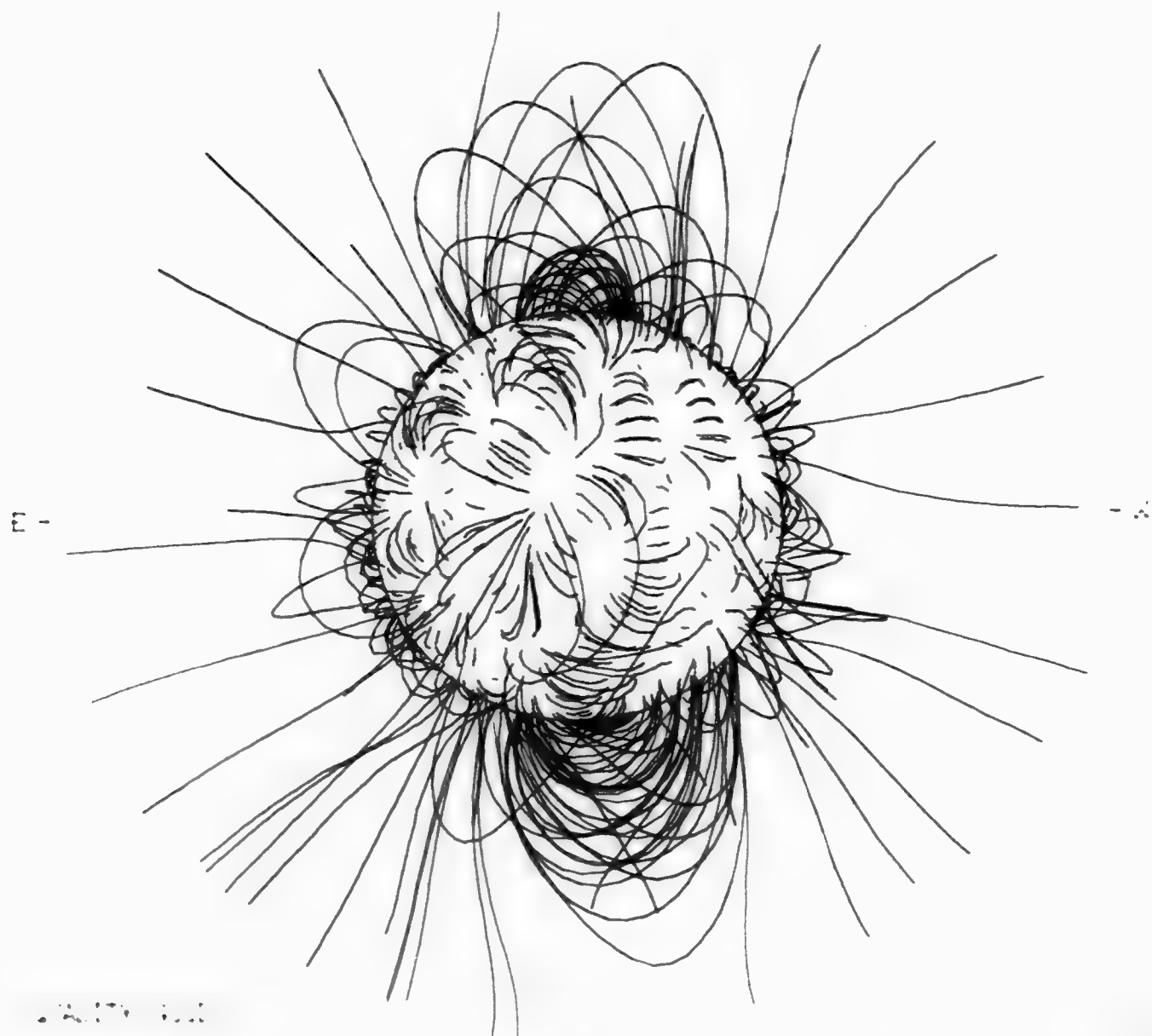
DATA WINDOW 1539.47

S

RUT. 1540 LONG. 270°

21.2 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

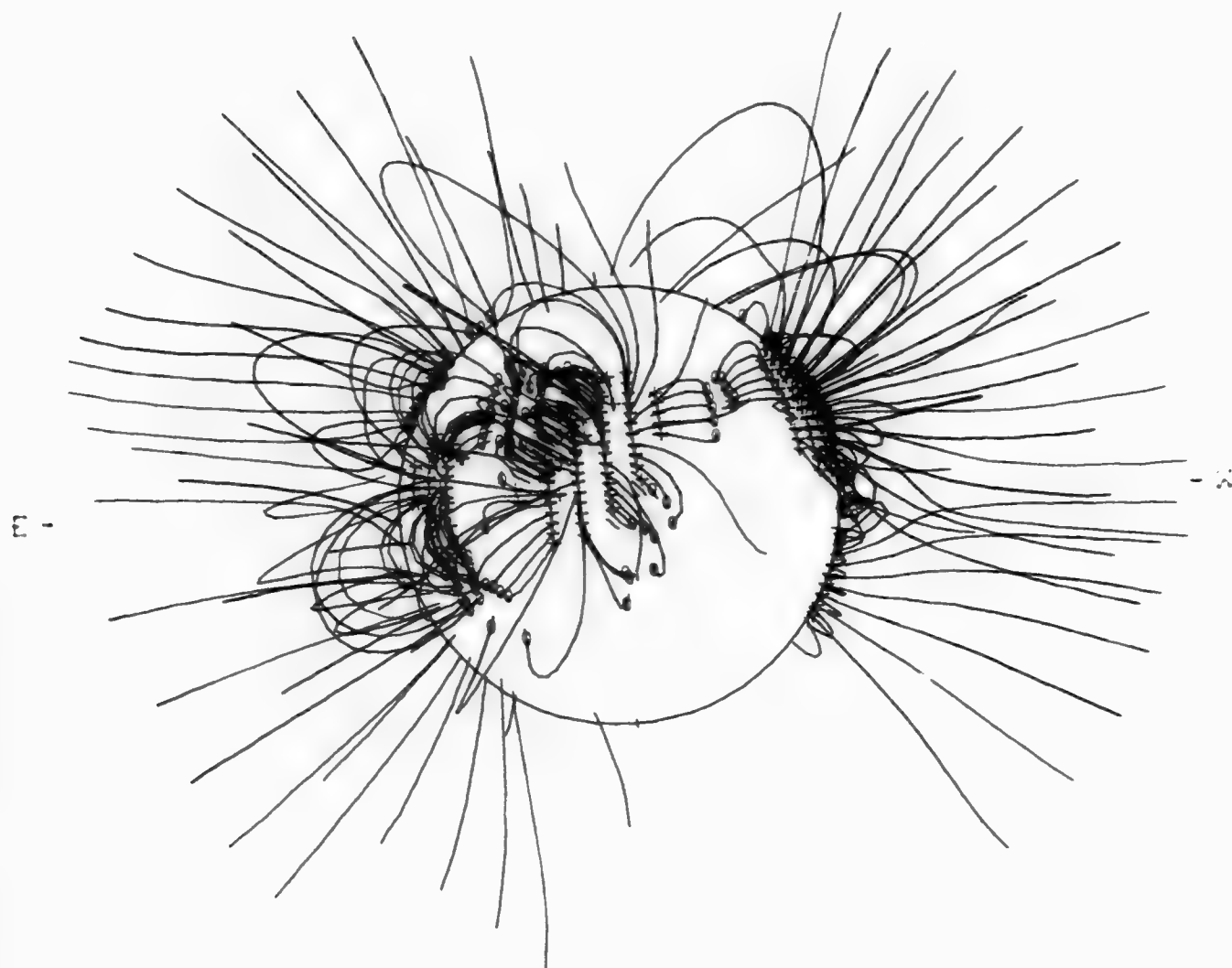


HALE 1950
 FILED DIRECT
 DATA AND/OR 1950.00

S

HALE 1950 1950.00
 1950 1950.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

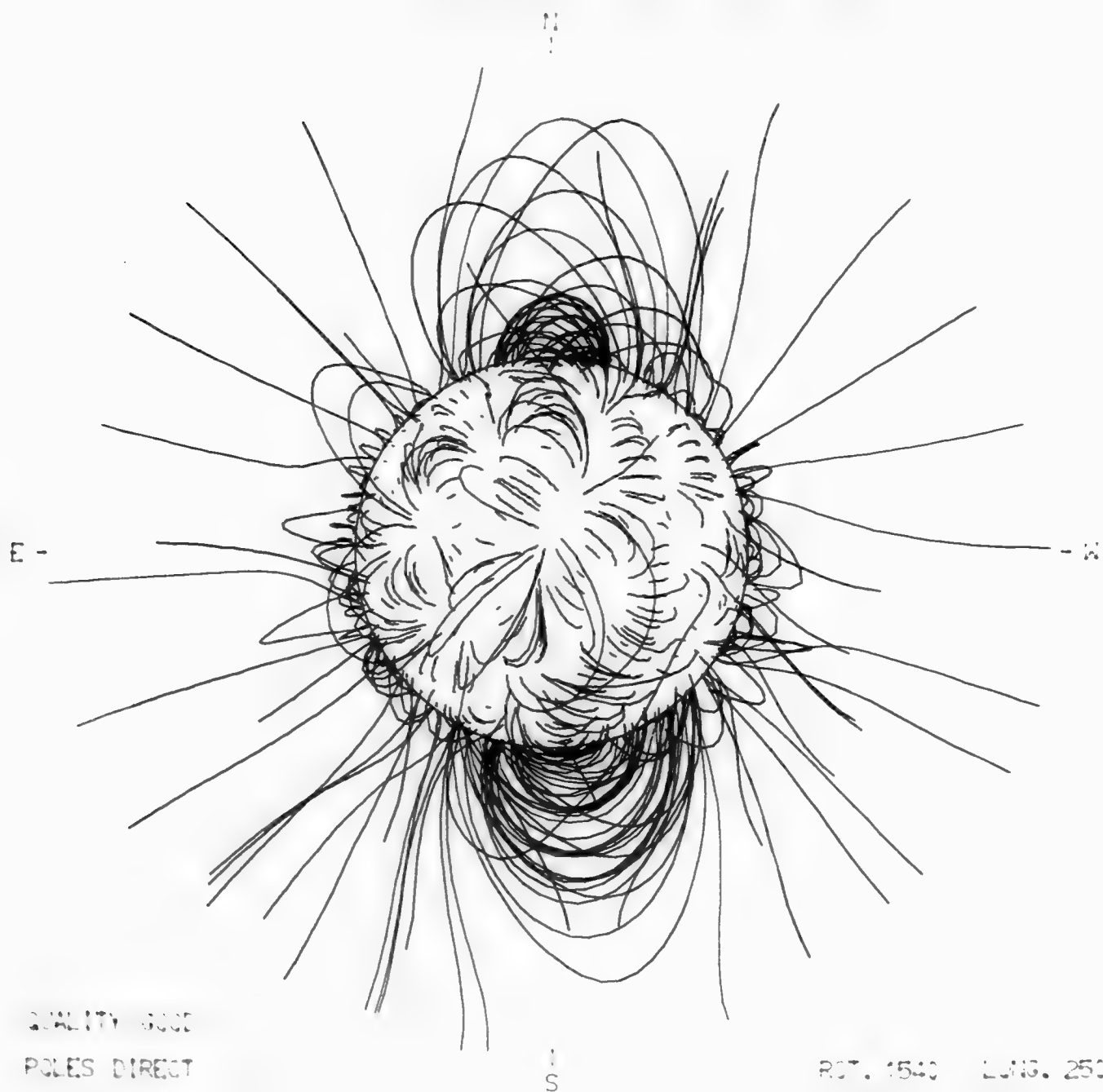


QUALITY GOOD
 RULES CURRENT
 DATA WINDOW 1540.00

S

ROT. 1540 LONG. 240°
 22.0 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

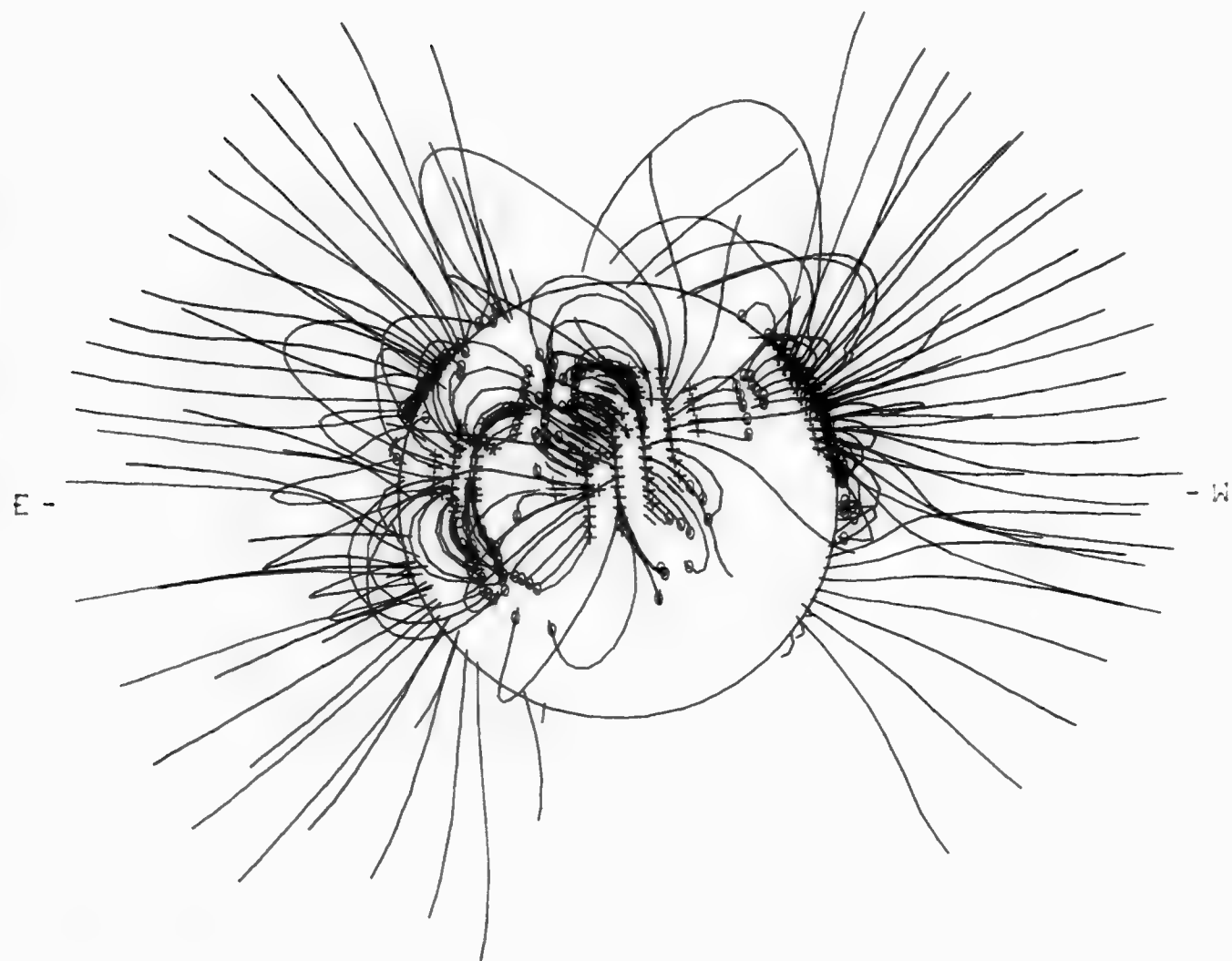
POLES DIRECT

DATA WIND ON 1540.00

ROT. 1540 LONG. 250°

22.7 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

DATA WINDOW 1540.00

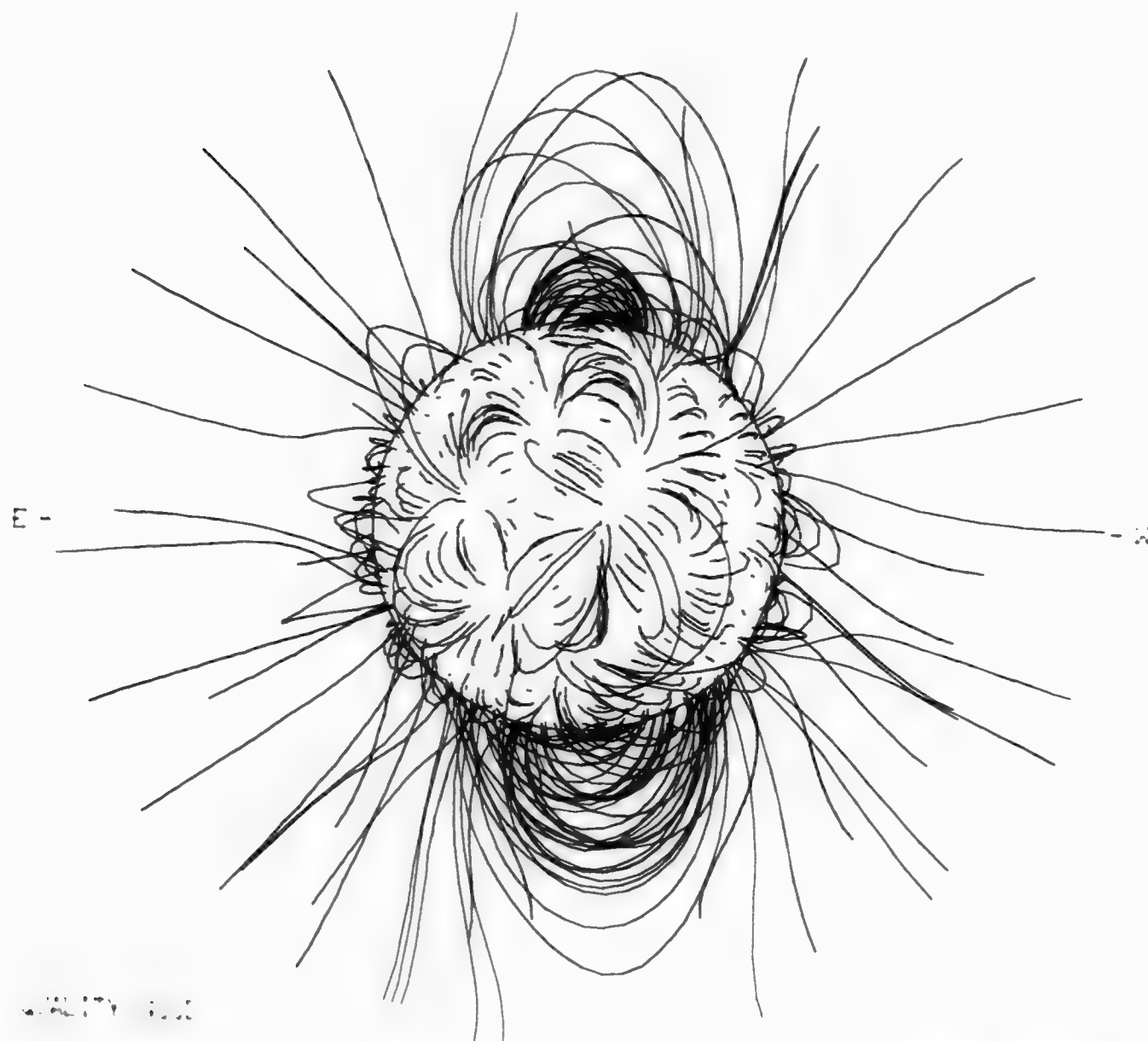
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ROT. 1540

LONG. 250°

22.7 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

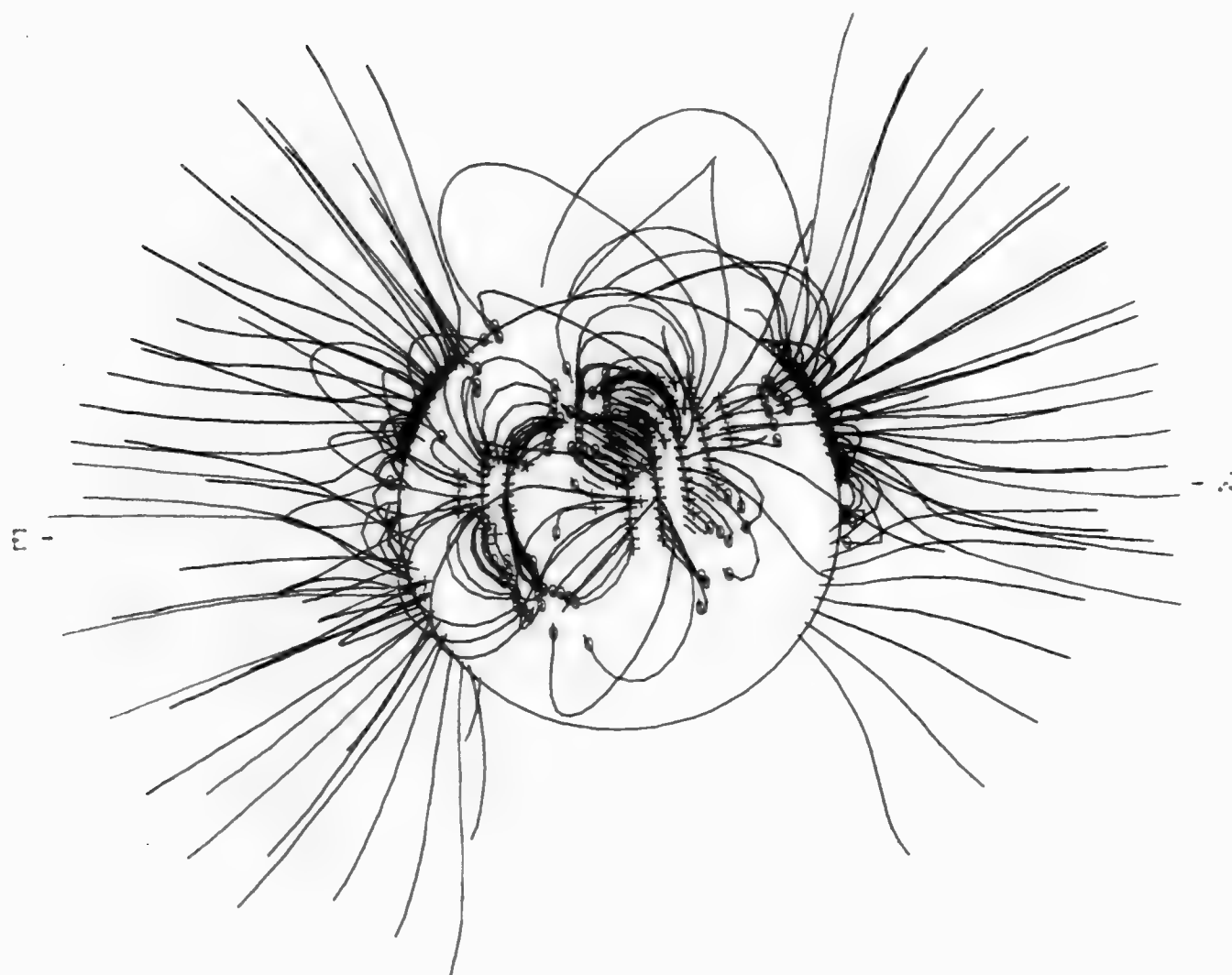


QUALITY 100
POLES DIRECT
DATA NUMBER 1000.00

S

ROT. 1540 LONG. 240°
23.5 100 1000

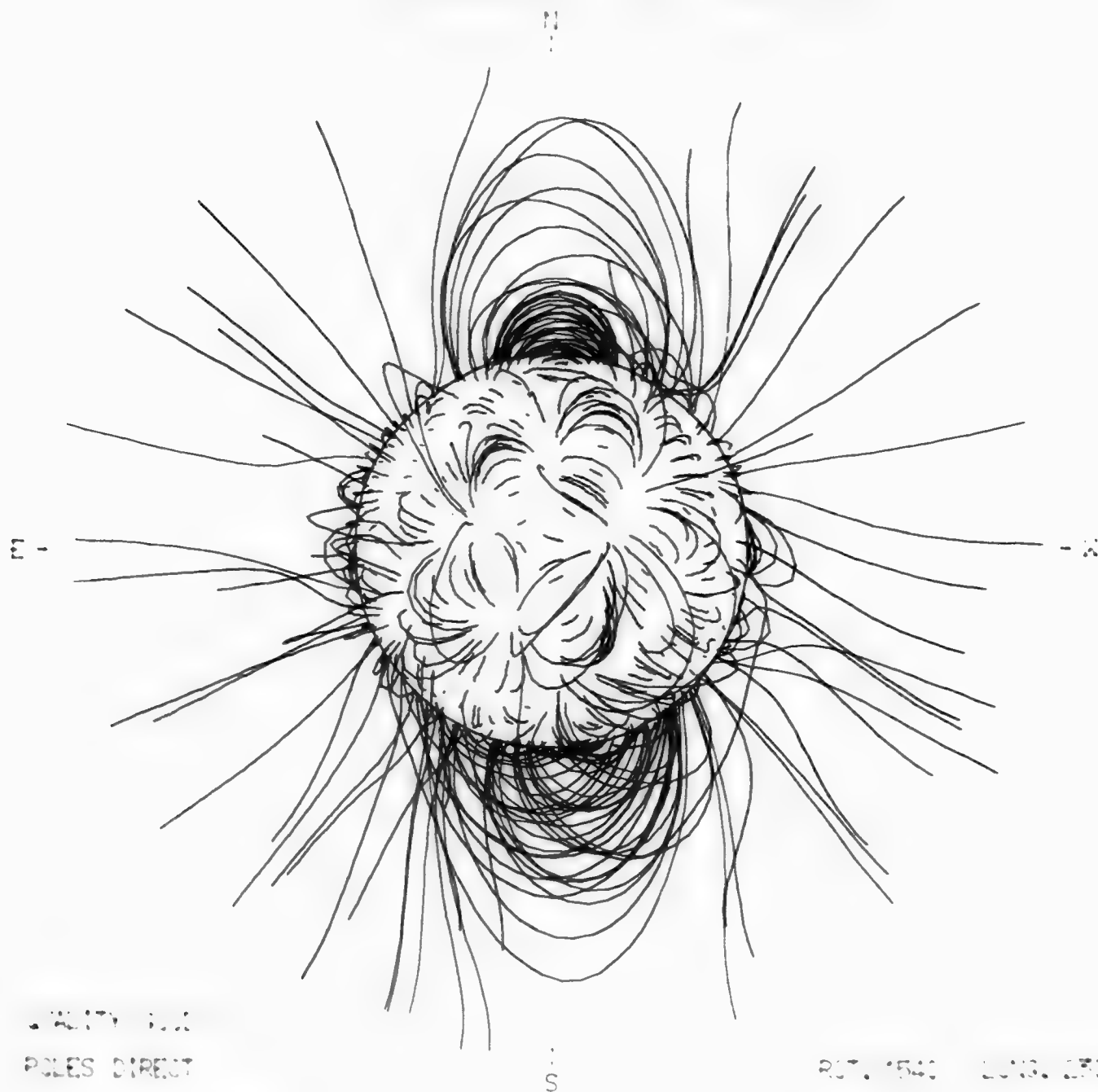
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES DIRECT
DATA WIND ON 1540.00

RJT. 1540 1010.240°
23.5 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.1

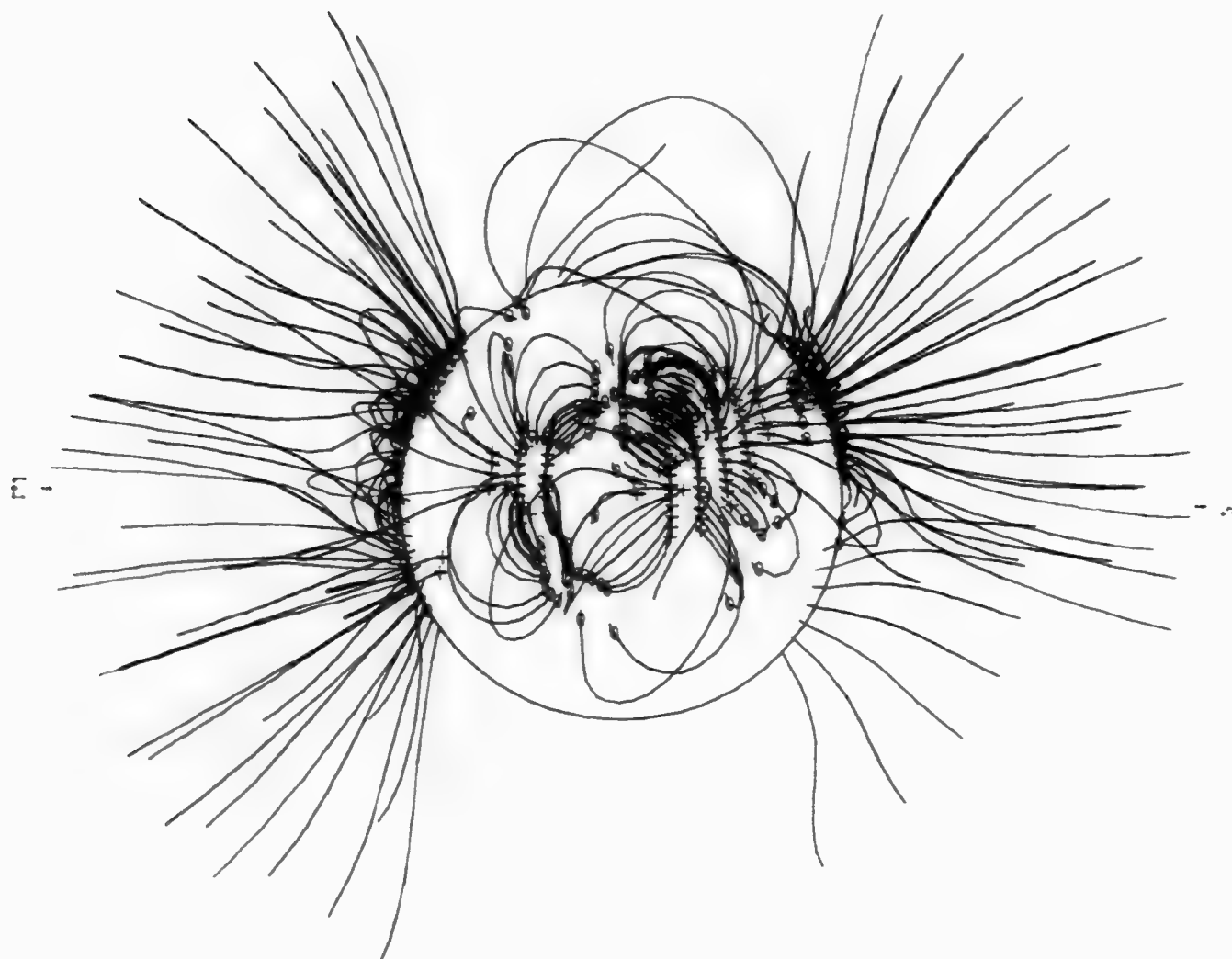
POLES DIRECT

DATA WIDEON 1500.00

ROT. 1540 LONG. 230°

24.3 17 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

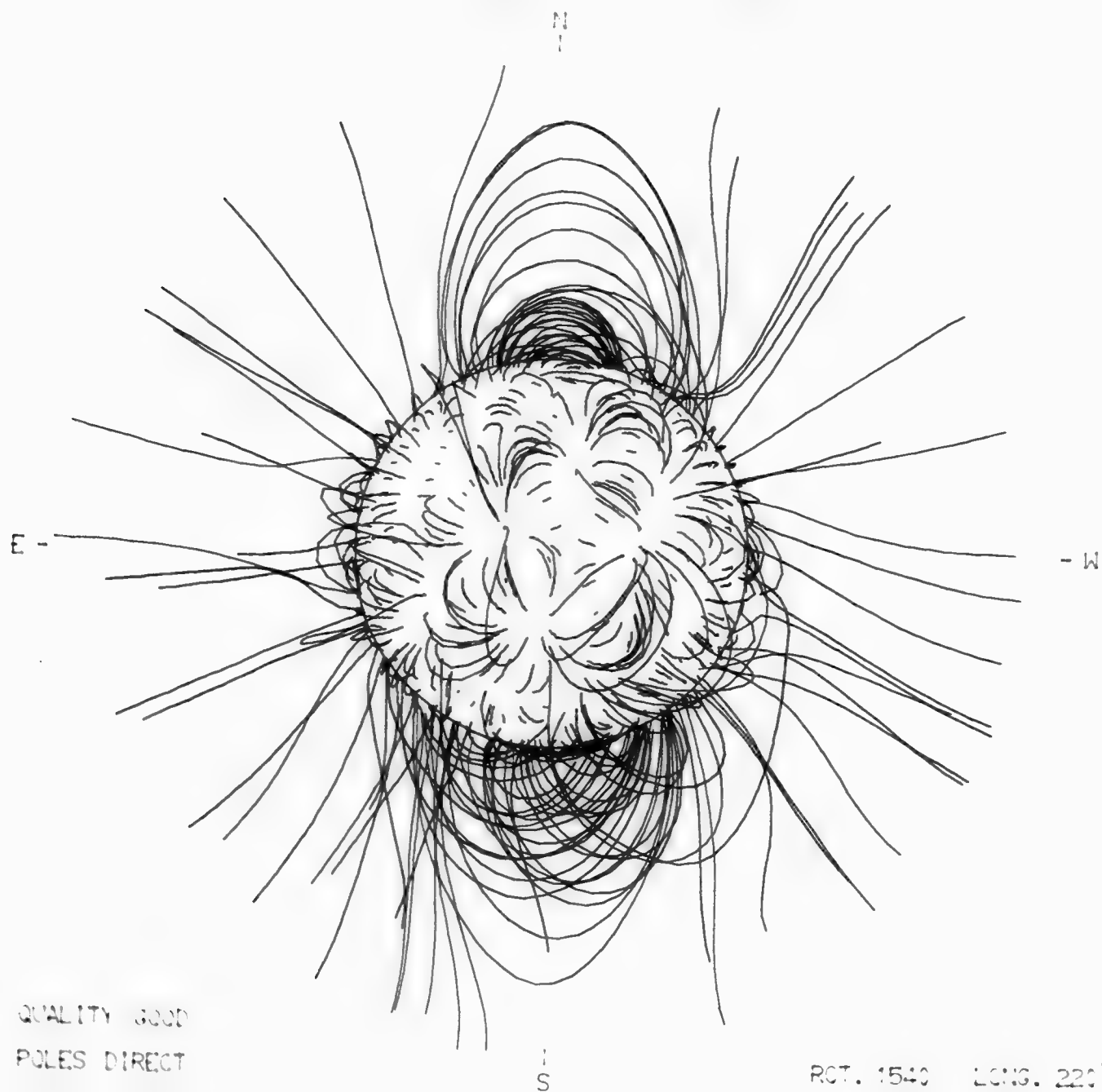


QUALITY 100
 POLES DIRECT
 DATA WIND IN 1960.00

1
 S

PUT. 1960 1960.00
 1960 1960

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

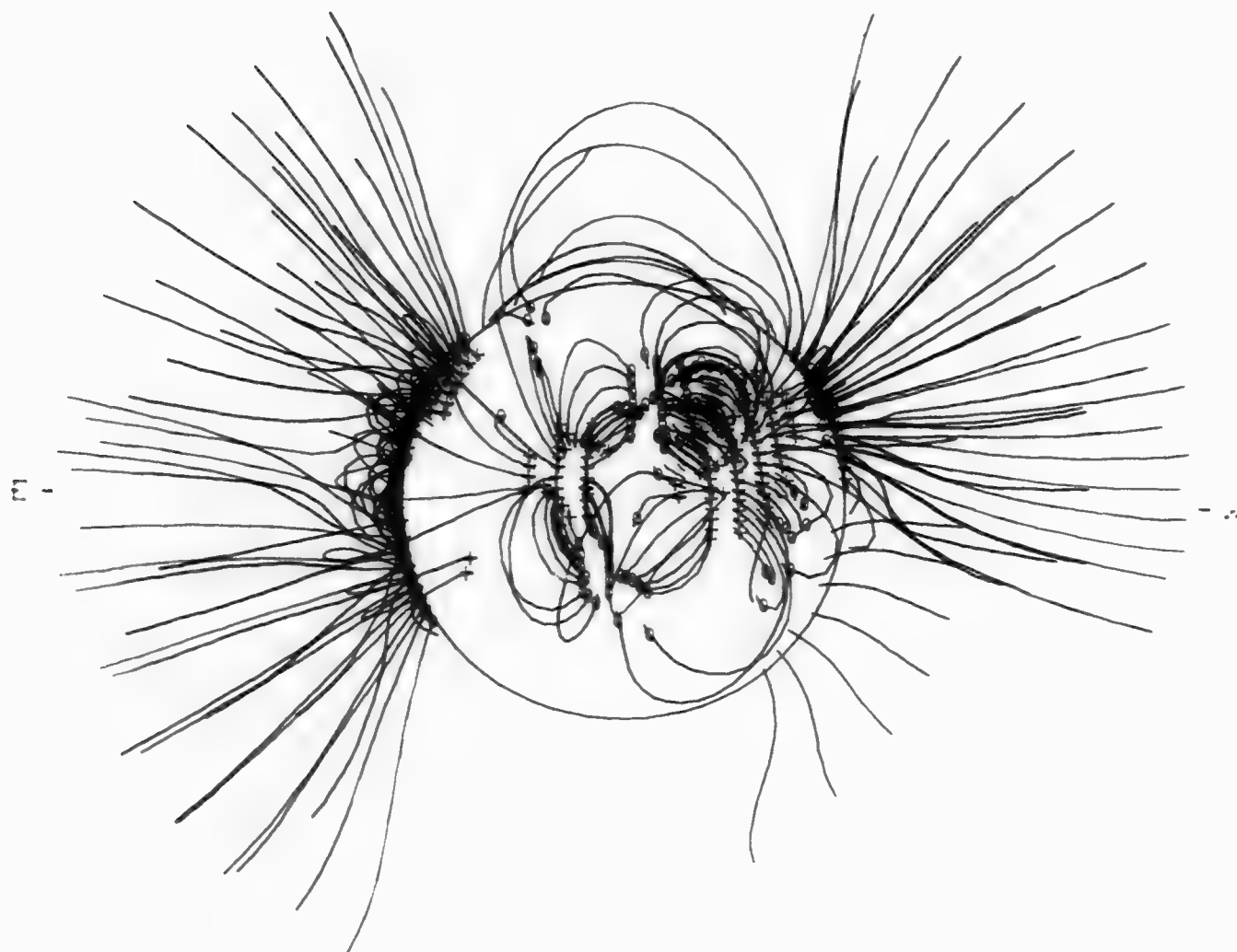
POLES DIRECT

DATA WINDOW 1540.00

ROT. 1540 LONG. 220°

25.0 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



DATE: 1968

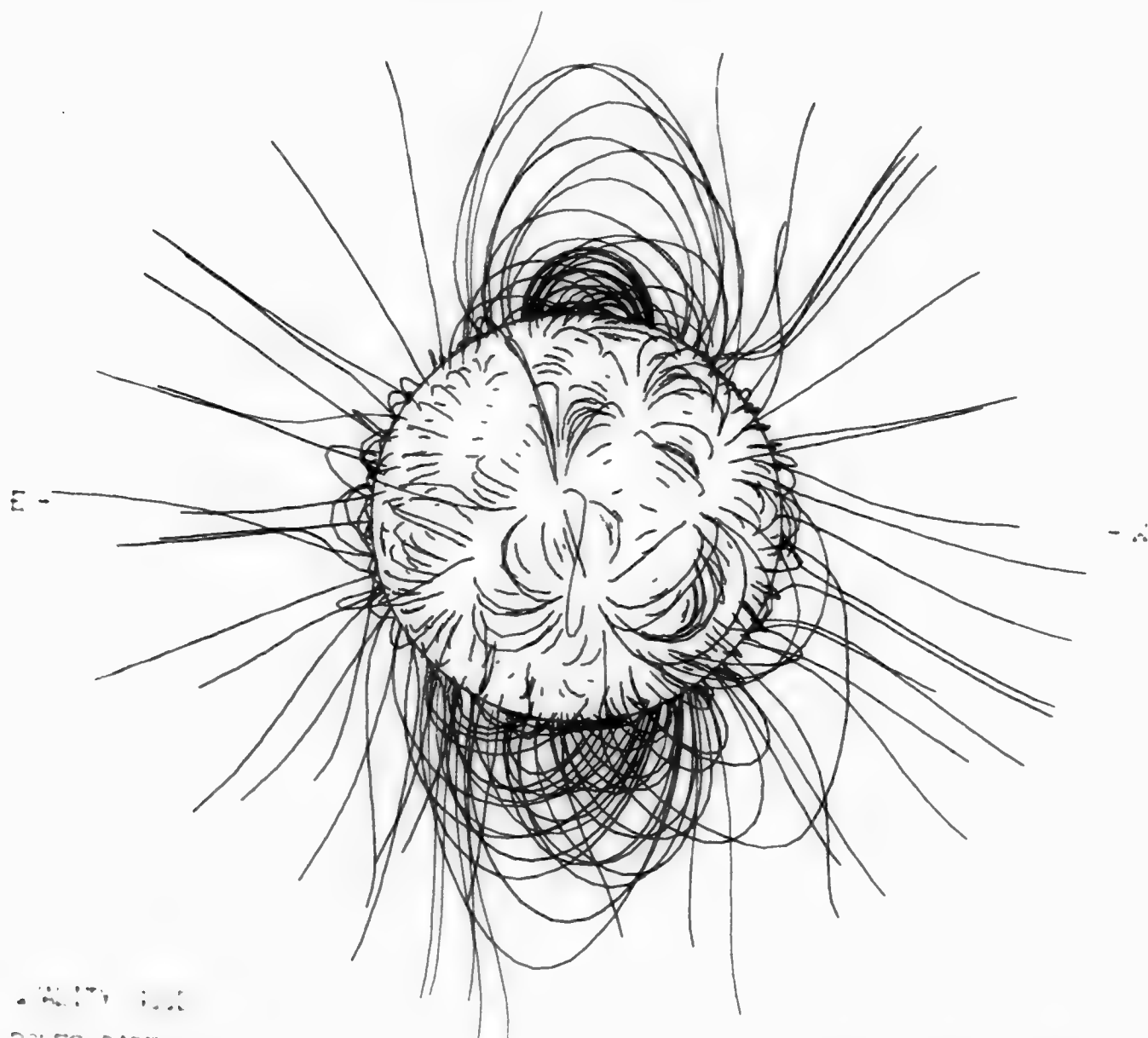
FILES: DIRECT

DATA: 1968.00

RUT: 1540 1968.00

25.0 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

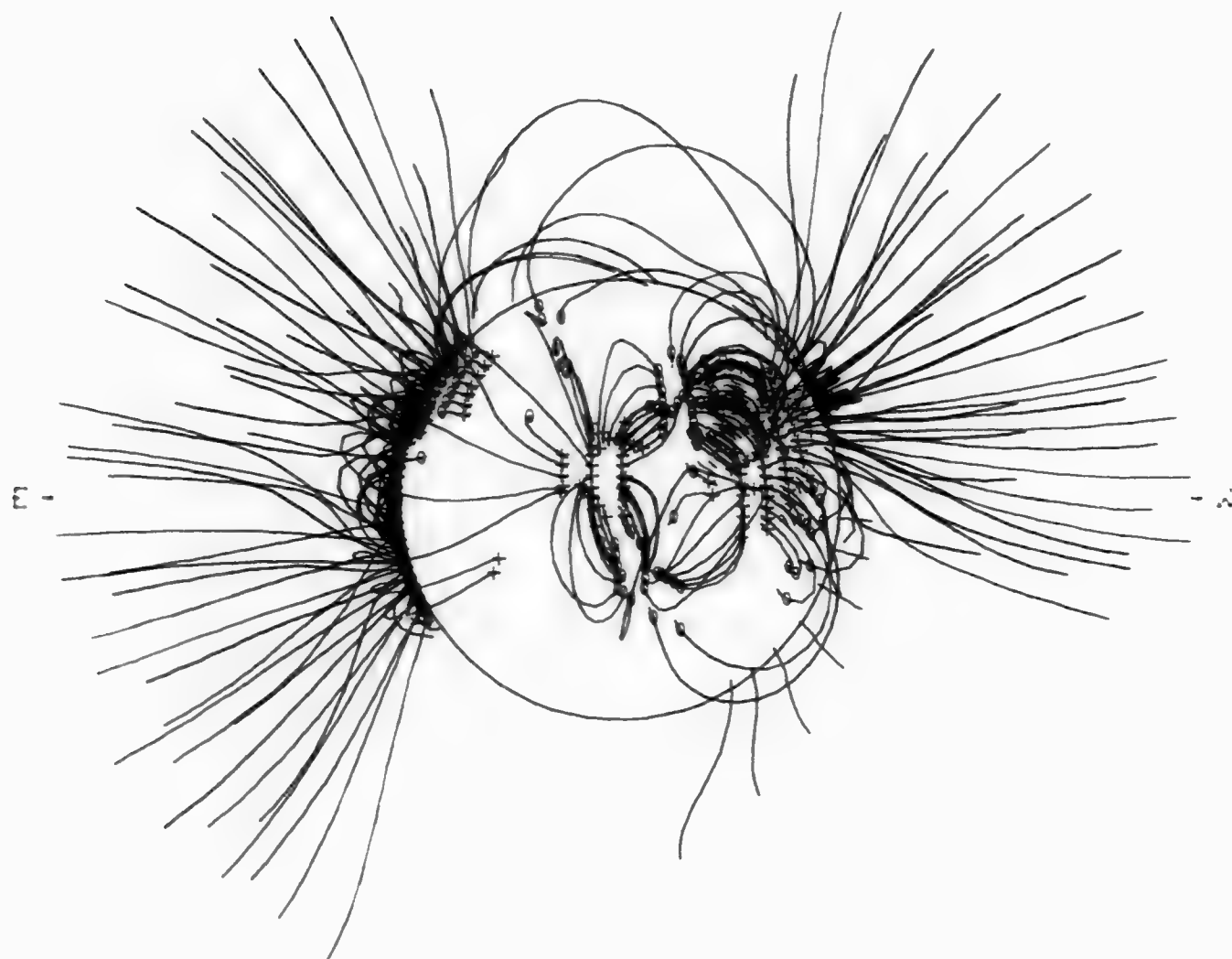


QUALITY 100
POLES DIRECT
DATA WINDOW 1540.00

S

RLT. 1540 LONG. 210°
25.8 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100

FILES DIRECT

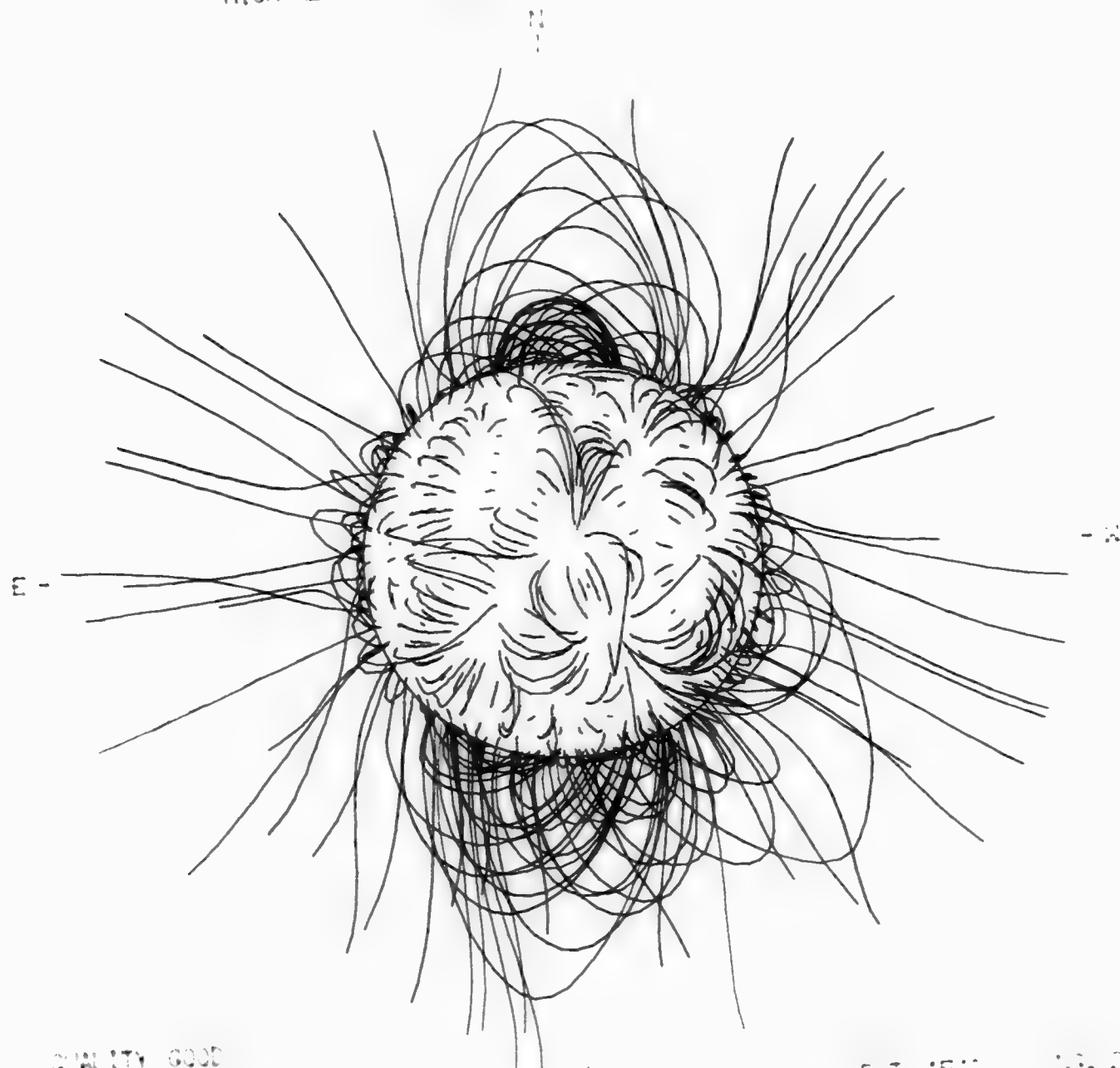
DATA AUG 28 1960.00

1
S

R.T. 1540 20.0. 2.0°

25.8 OCT 1966

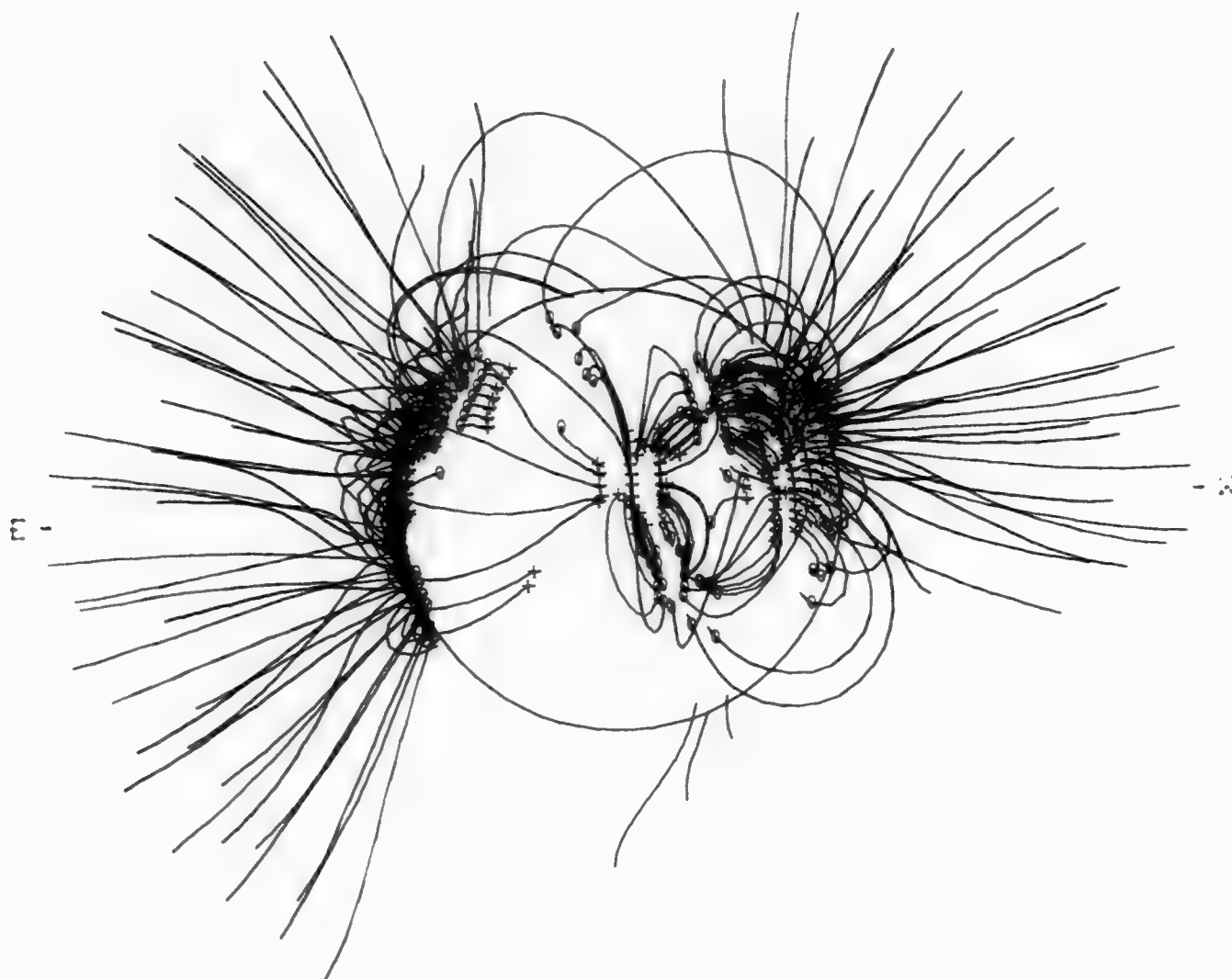
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES DIRECT
 DATA WINDOW 1540.00

R.T. 1540 1540.000
 25.5 15 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

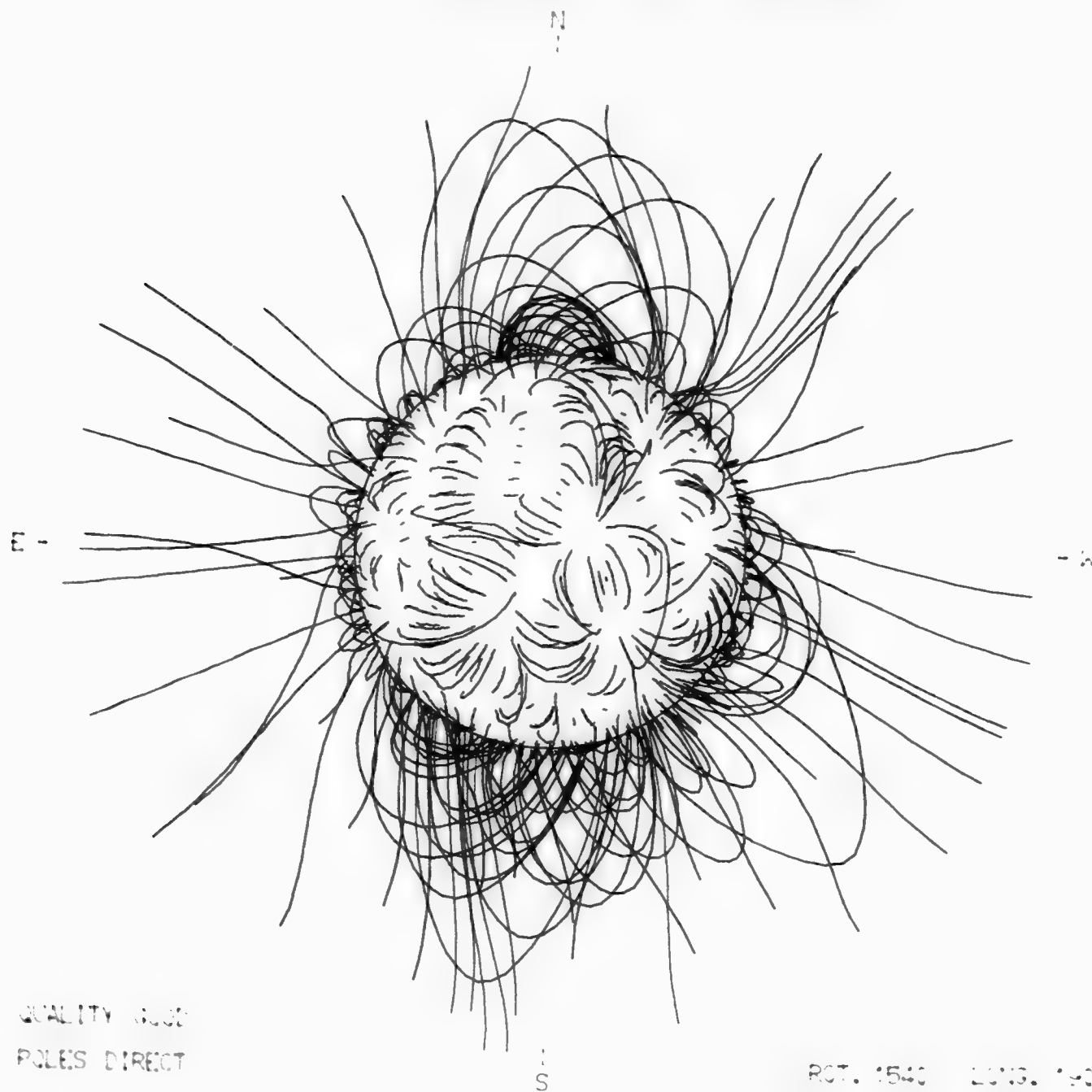


QUALITY GOOD
POLES DIRECT
DATA WIND IN 1540.00

S

RJT. 1540 2000. 2000
26.5 OCT 1968

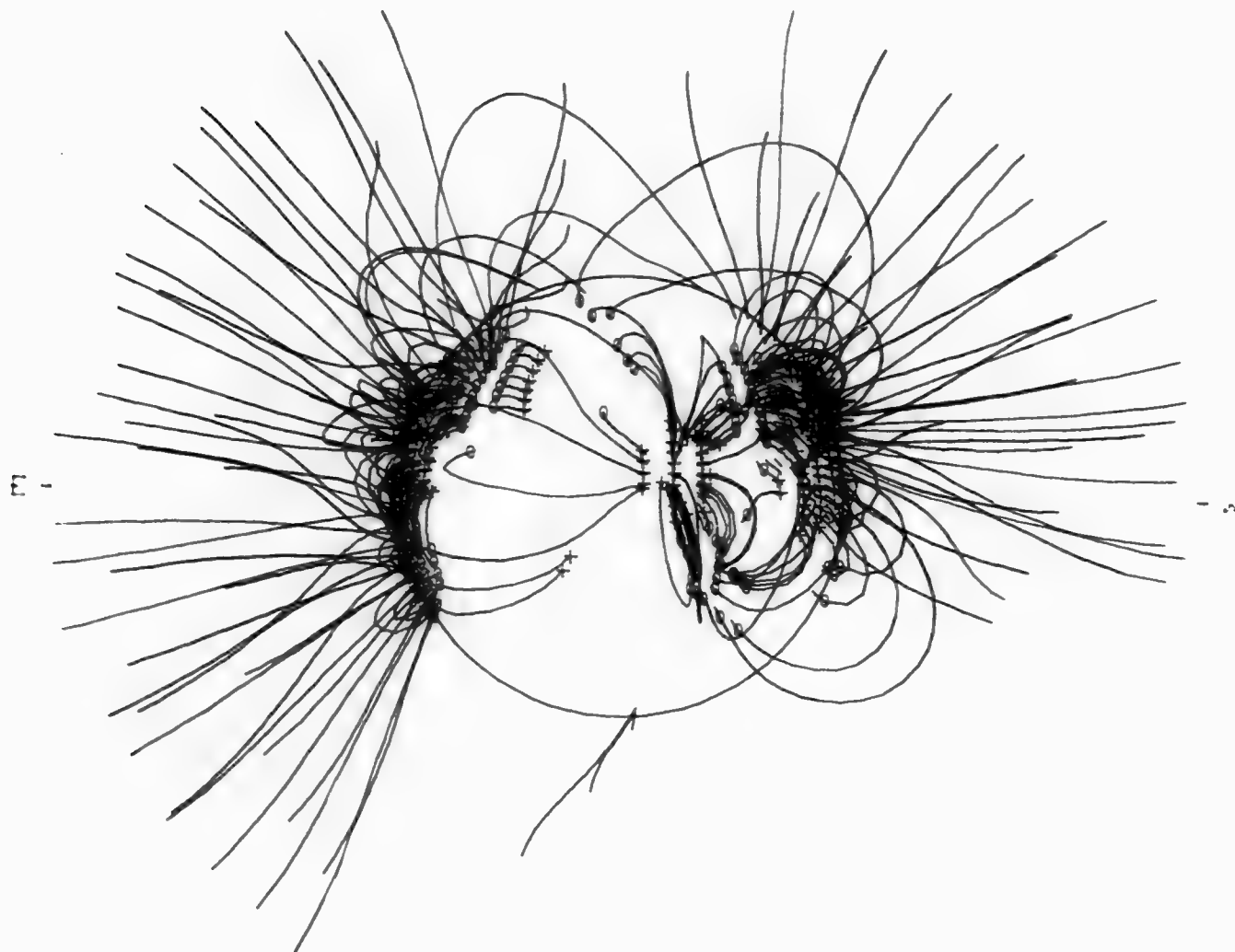
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 6000
POLES DIRECT
DATA WINDOW 1540.00

ROT. 1540 LONG. 190°
27.3 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 300

POLES DIRECT

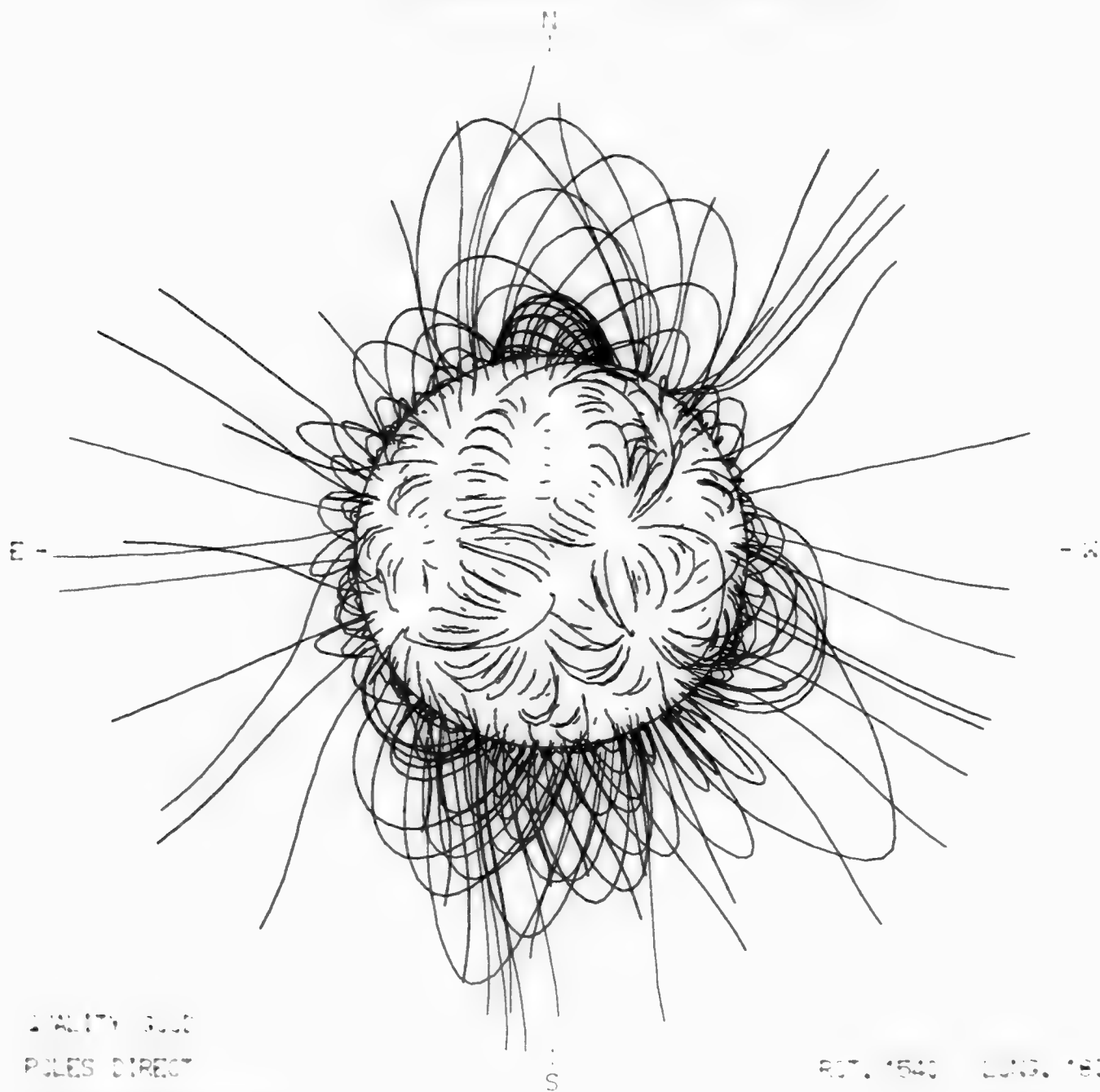
DATA WIND IN 1540.00

5

807.1540 2010.140

27.3 107 1968

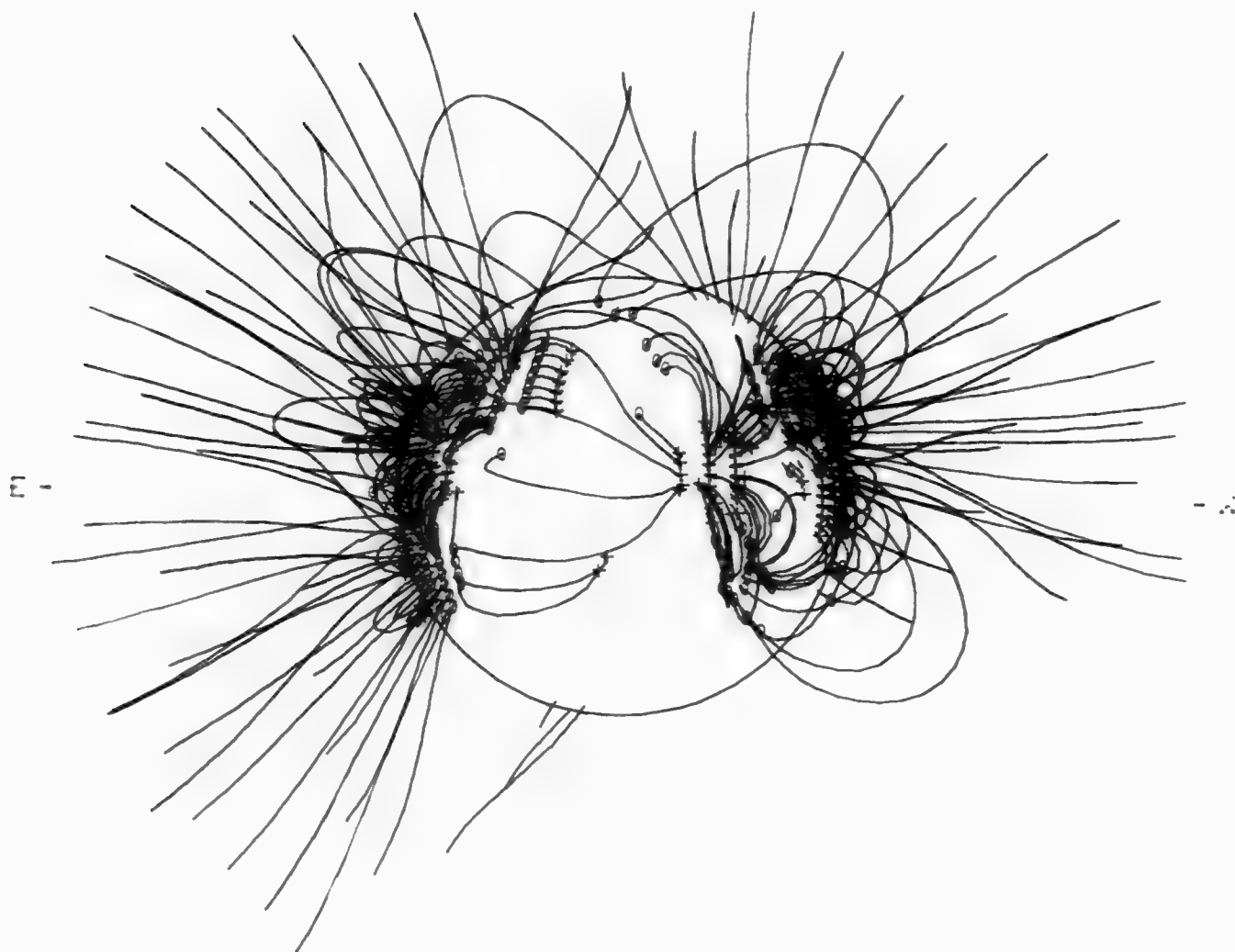
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 5.00
POLES DIRECT
DATA WINDOW 1540.00

ROT. 1540 LONG. 181°
28.1 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0.00

PULLEN DIRECT

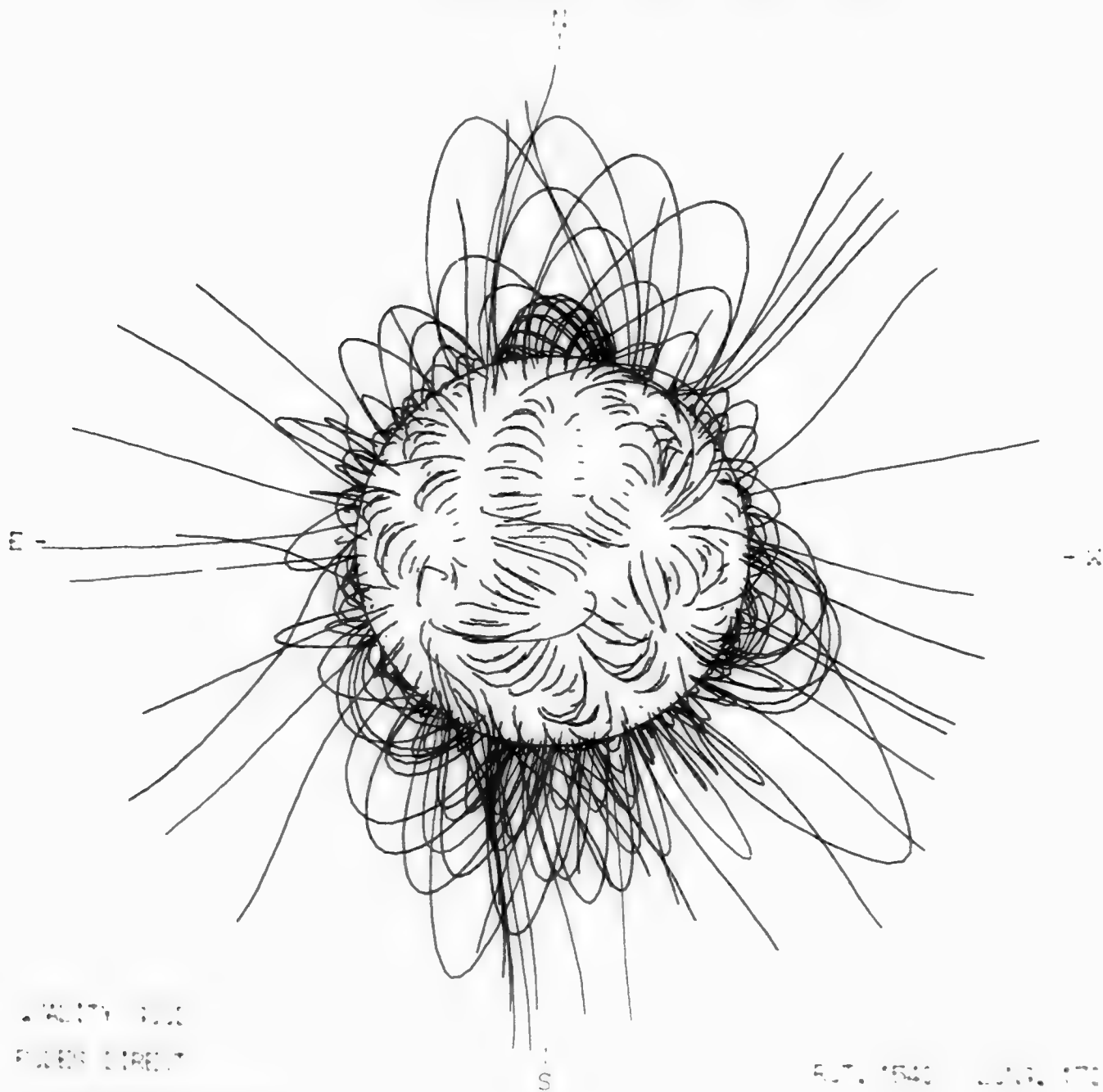
DATA WINDOW 1540.00

S

R.T. 1540 1010.181°

28.1 OCT 1968

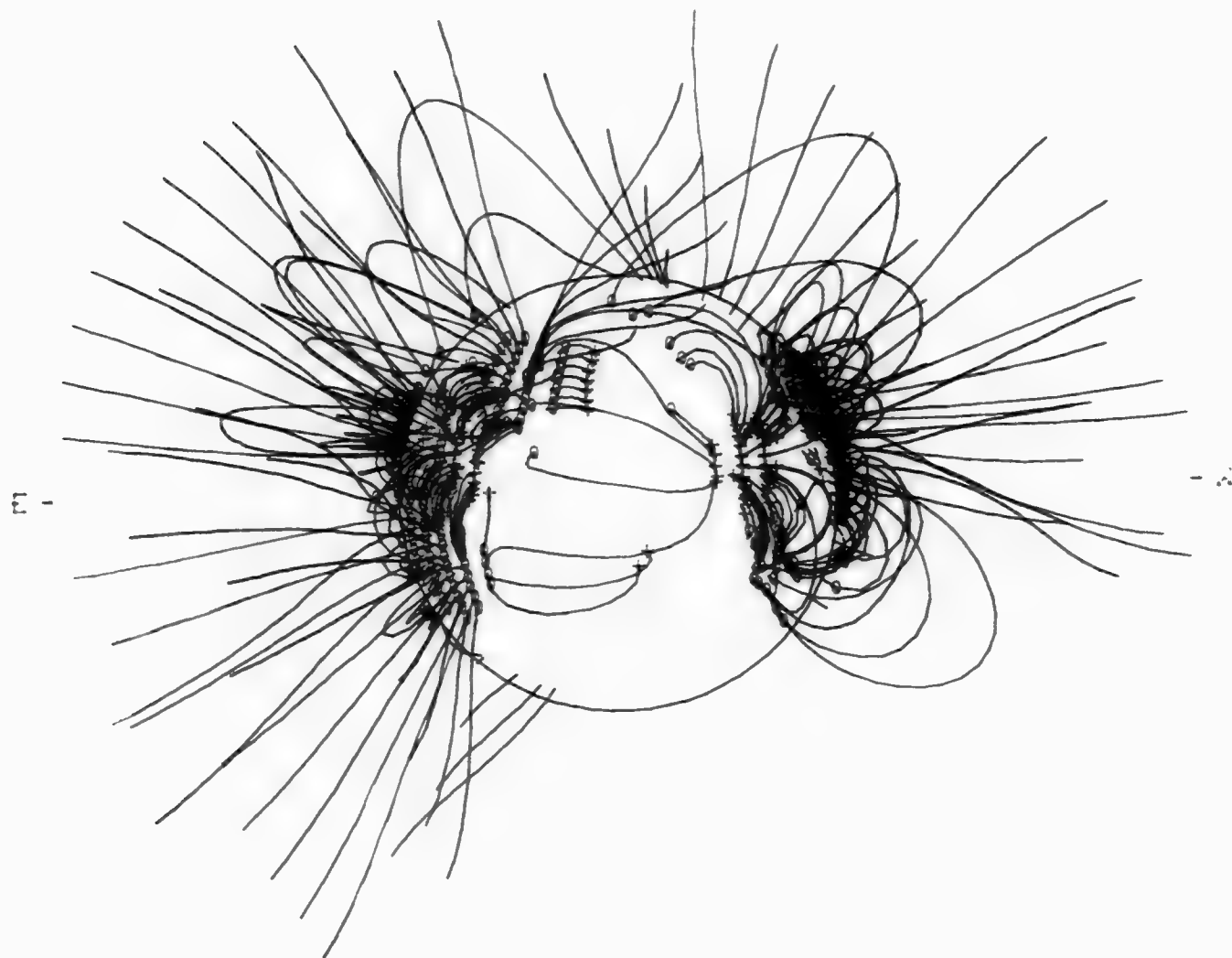
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.00
 PAGES 1/1
 DATA 1950.00

5.7. 1540 100. 170°
 28.8 107 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

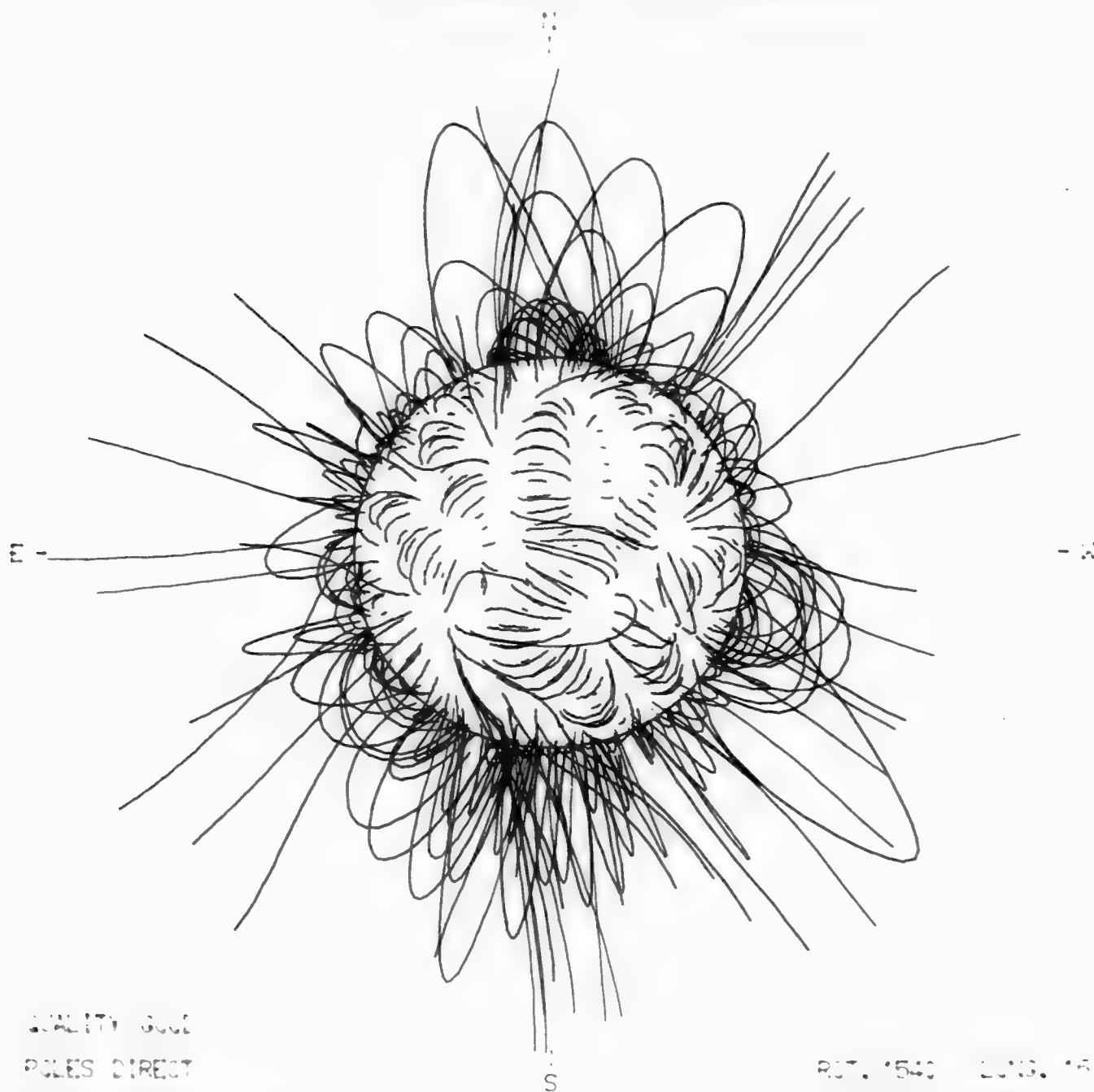
POLES DIRECT

DATA WIND IN 1540.00

R.T. 1540 1110. 171°

28.8 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

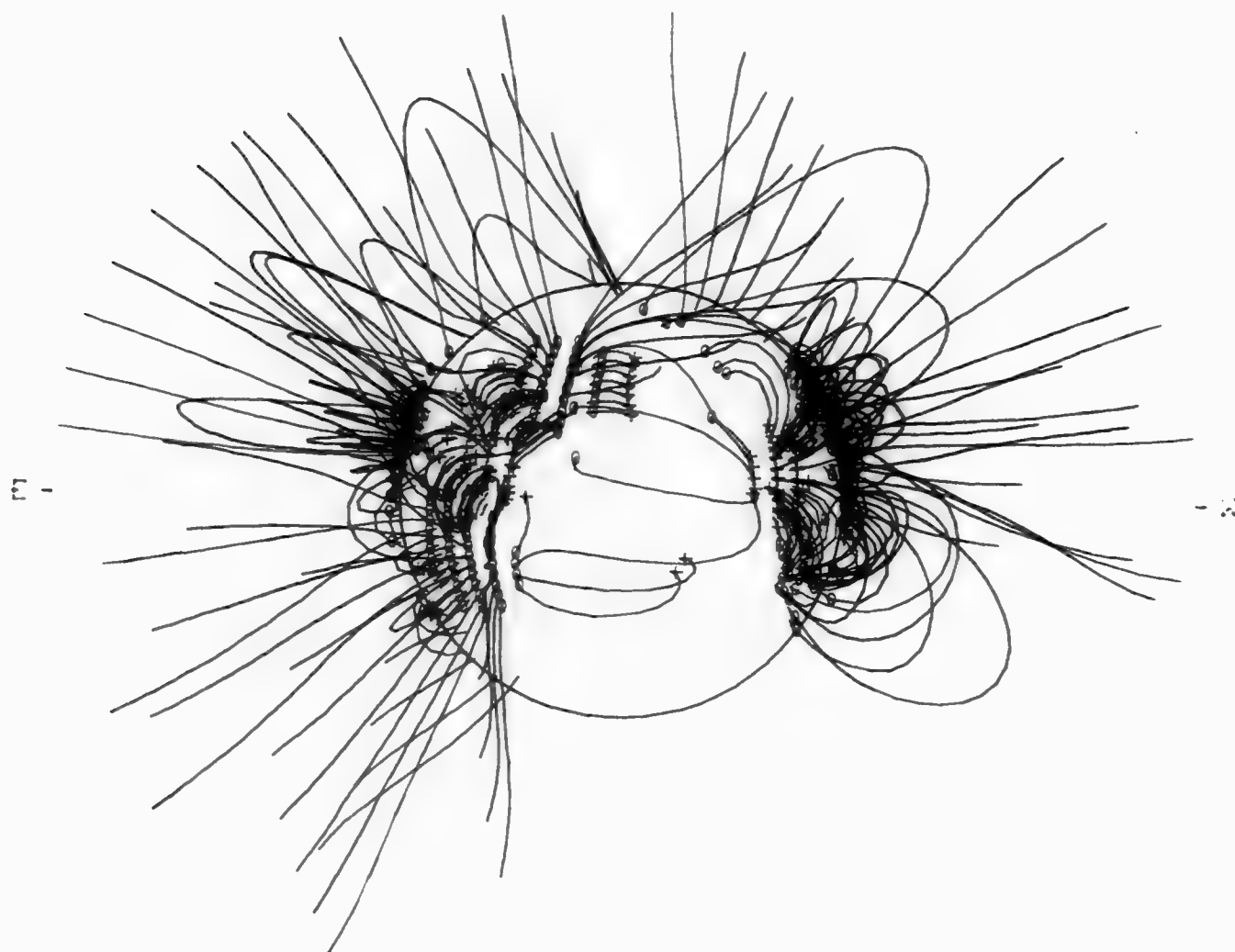
POLES DIRECT

DATA WINDUP 1540.00

RET. 1540 2010.150

29.5 007 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

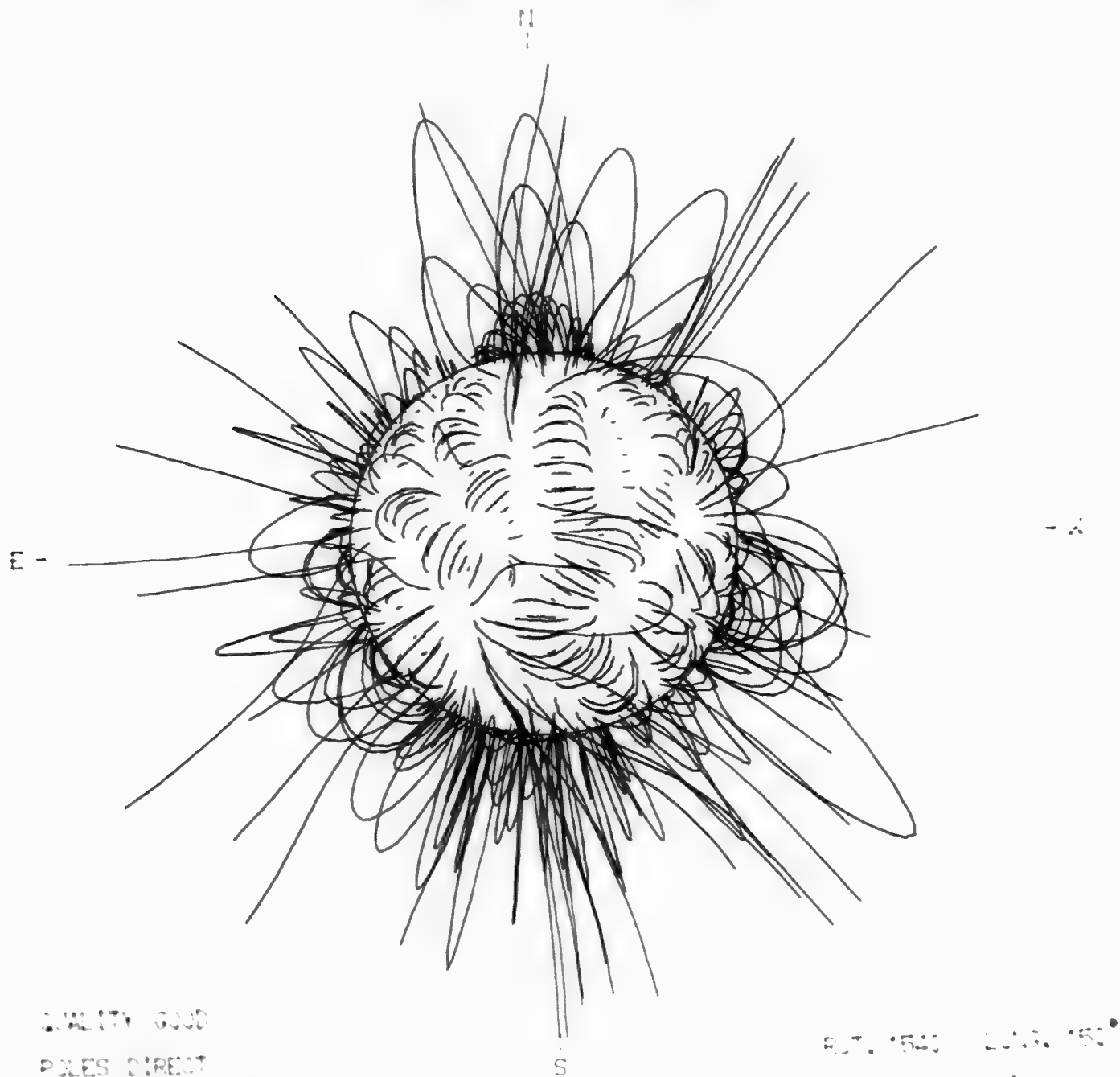
DATA WIND ON 1540.00

S

RJT. 1540 LING. 150°

29.6 OCT 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

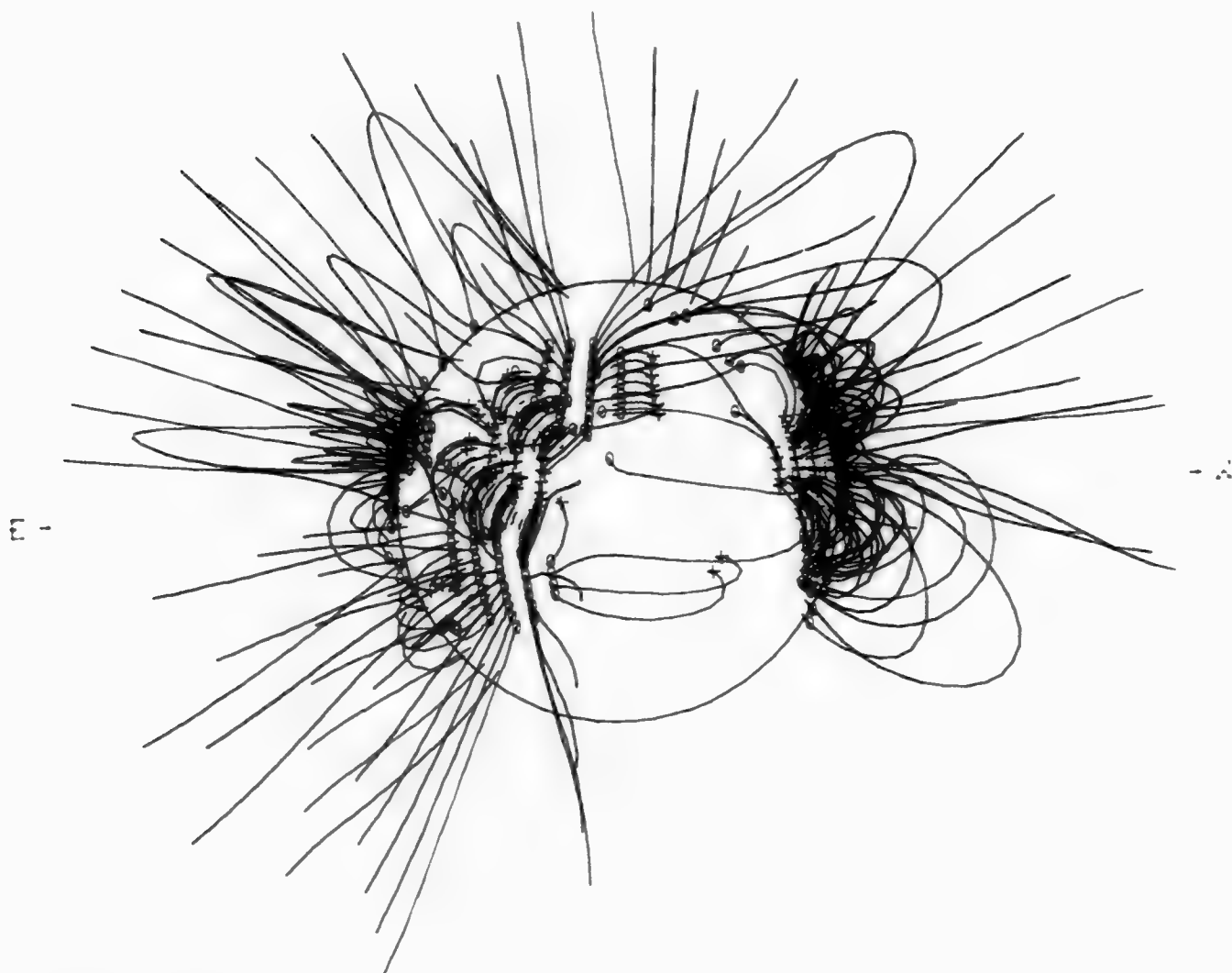
POLES DIRECT

DATA WIND IN 1540.00

807.1540 2010.151

30.3 007 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

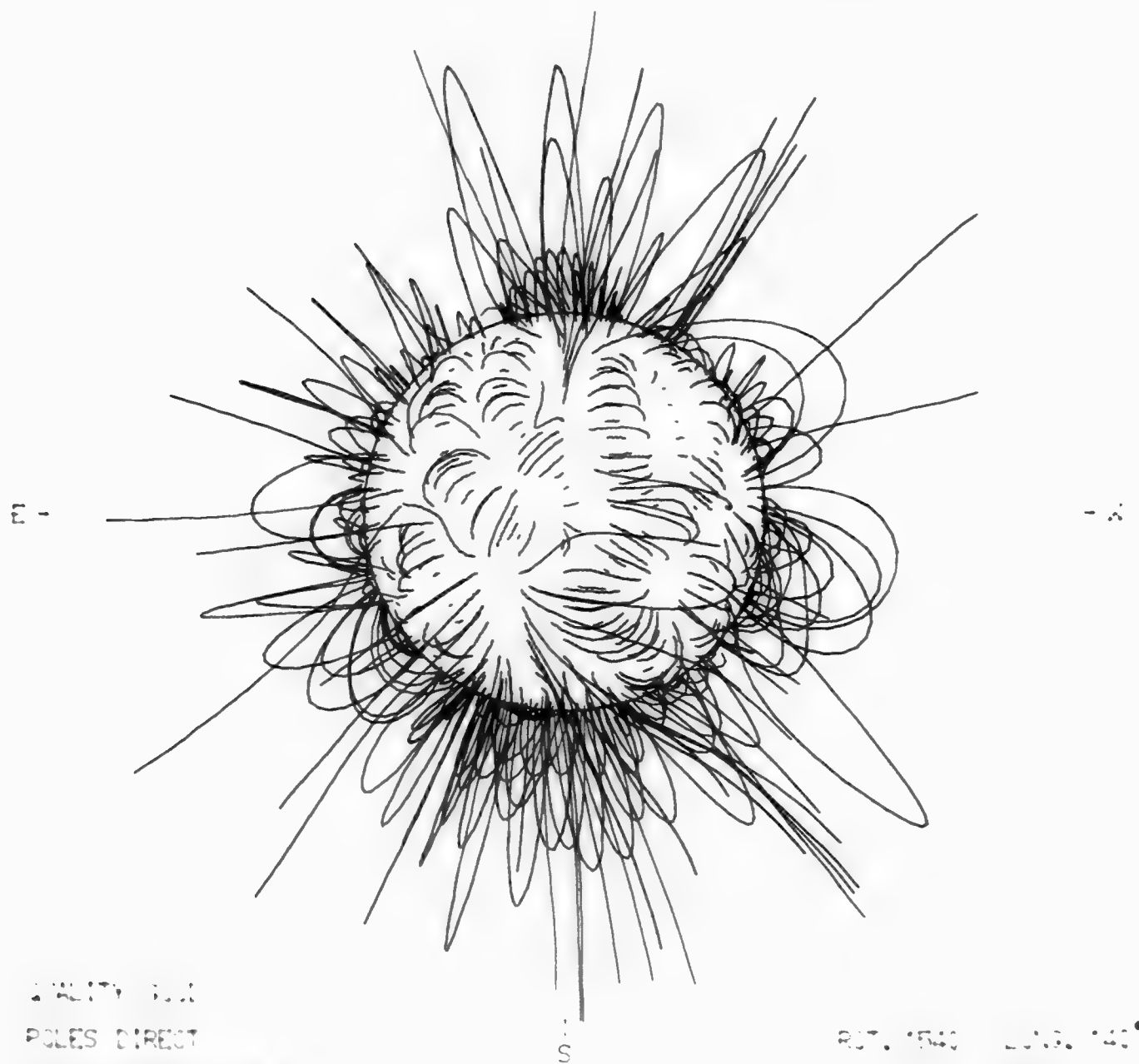


QUALITY 0000
POLES DIRECT
DATA RANGE 1540.00

S

20.7 1540 20.7 1540
30.3 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



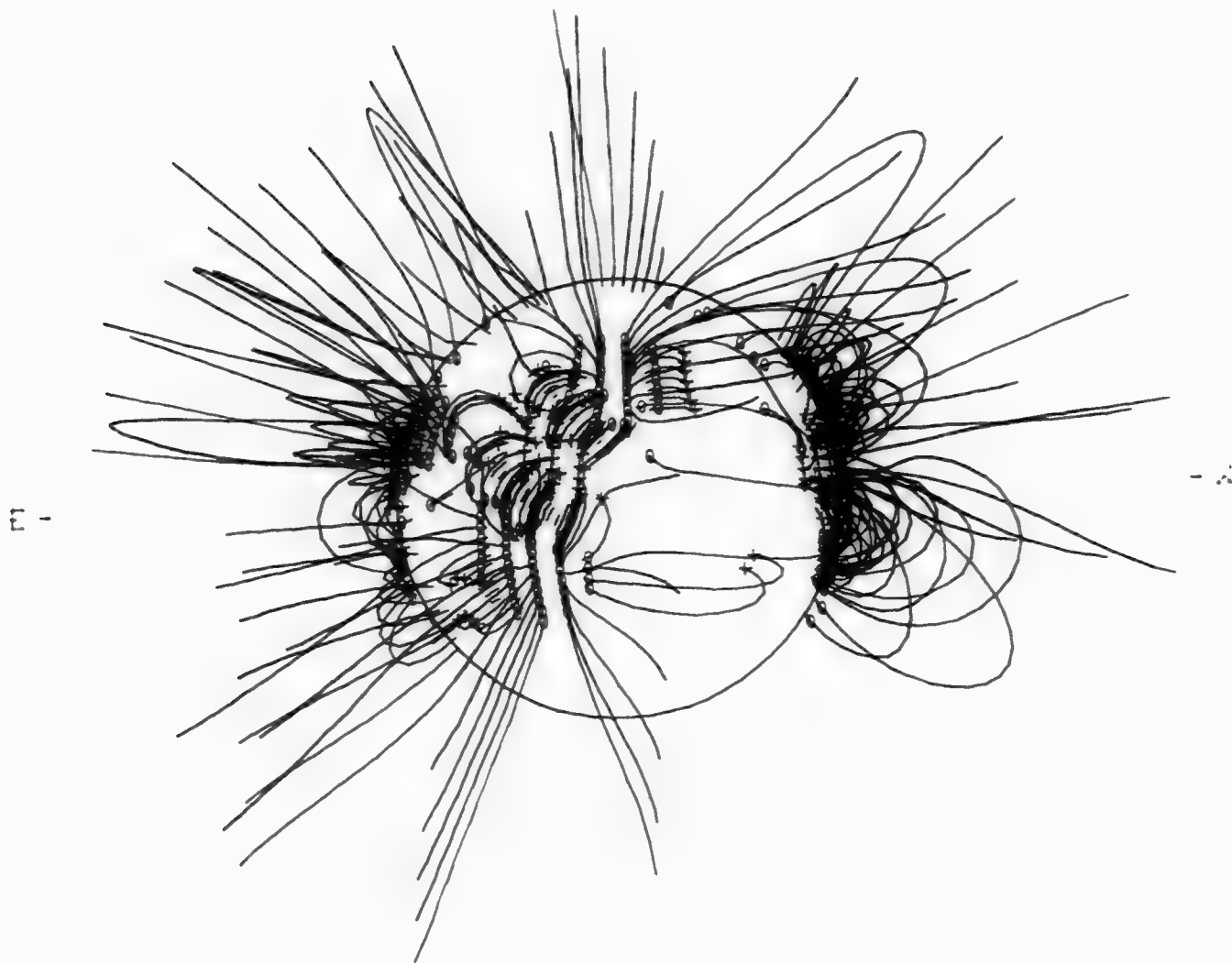
QUALITY 100

POLES DIRECT

DATA WINDUP 1540.00

RUT. 1540 L.O.S. 140°
31.1 117 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

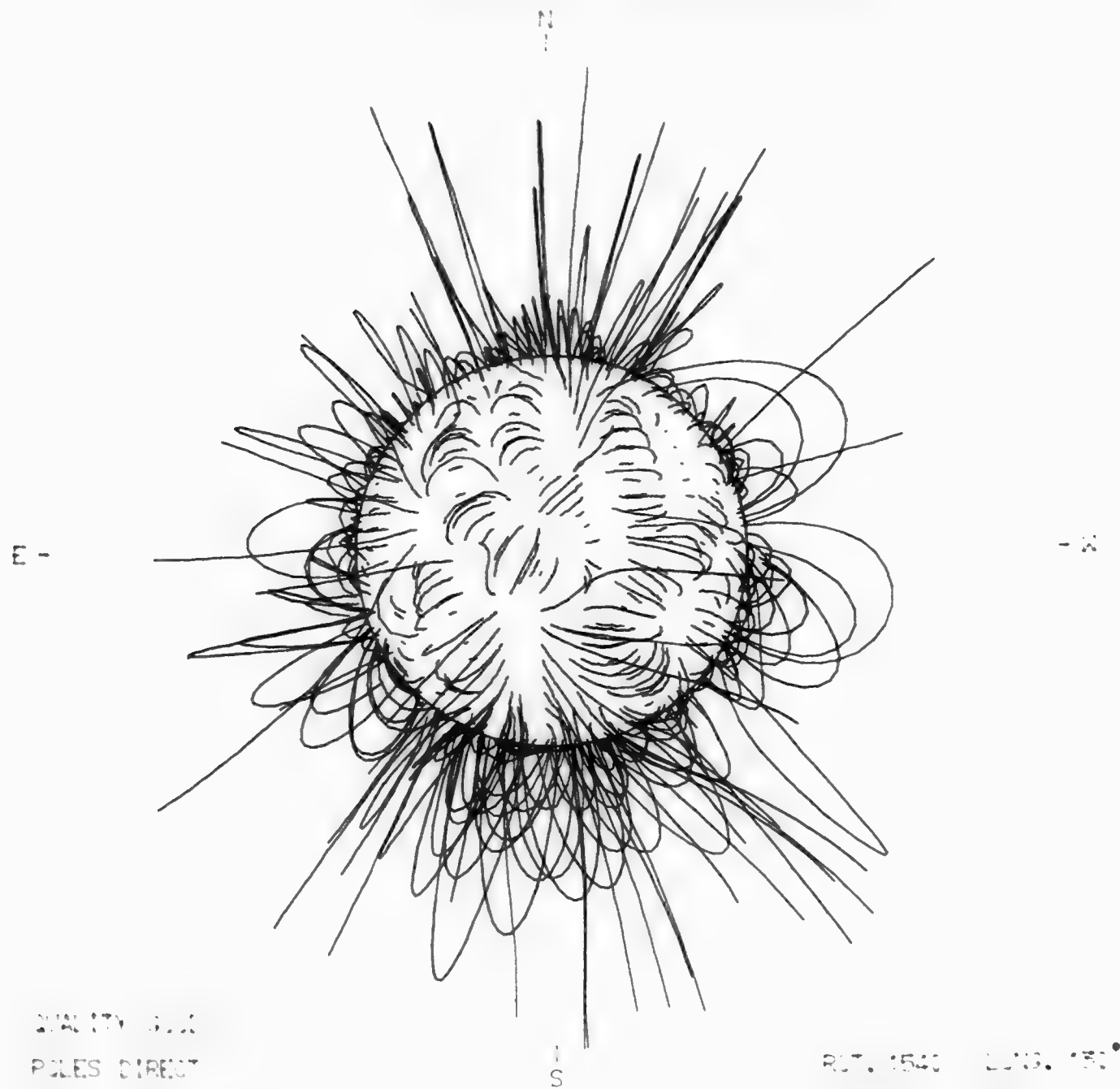


2.12.17.15.00
 POLES DIRECT
 DATA WIND IN 1540.00

S

8.7.1540 2.12.1540
 31.1.1540 1.568

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 5.00

POLES DIRECT

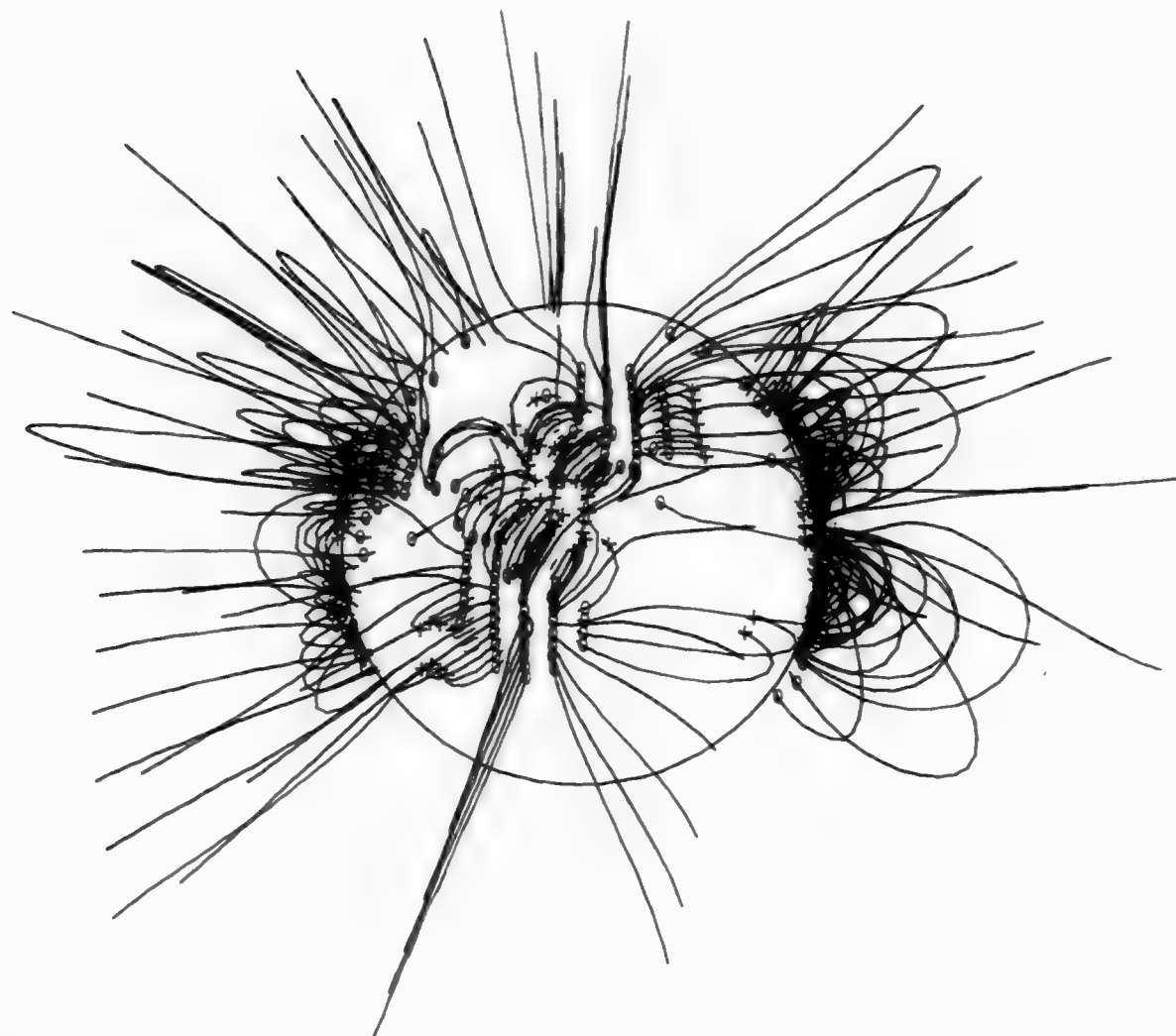
DATA WIND 1540.00

ROT. 1540 2113. 151°

51.8 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

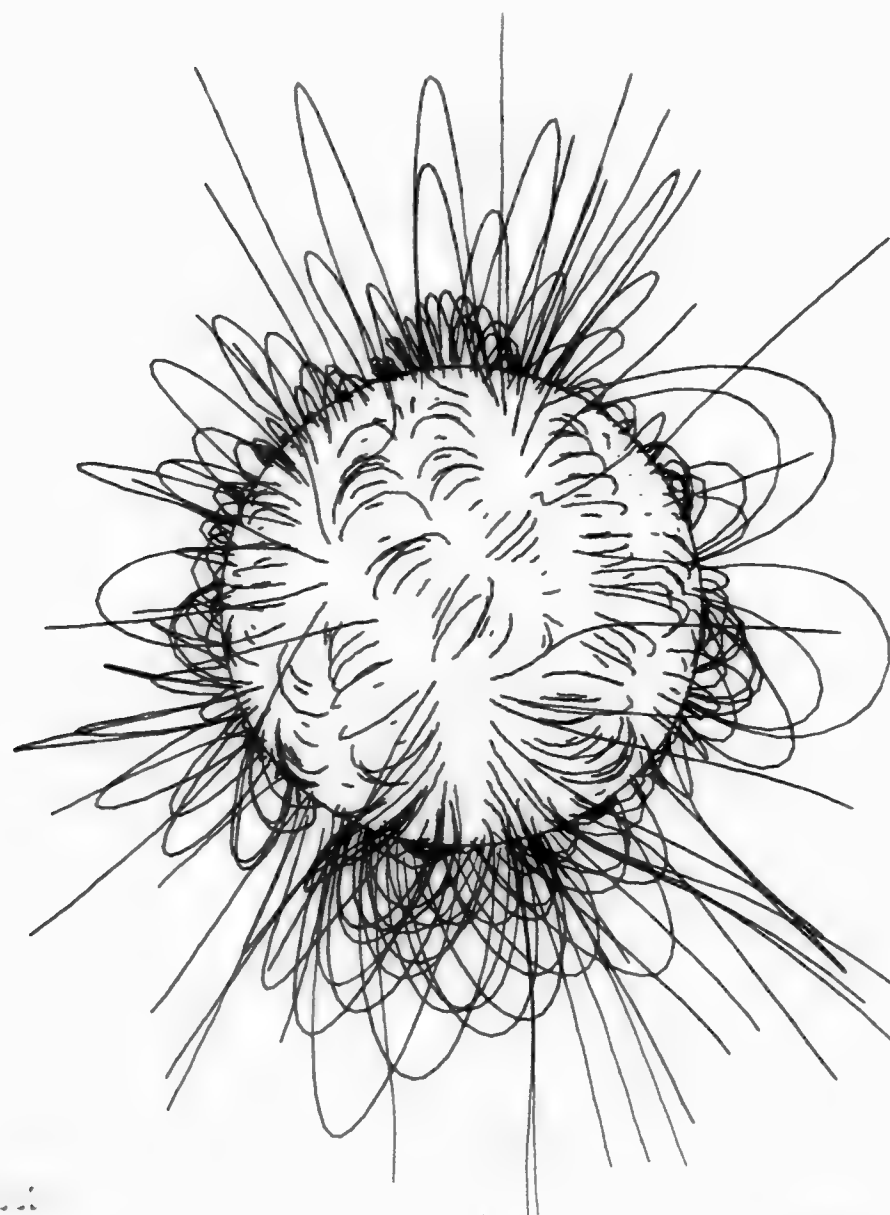


QUALITY GOOD
PULSES DIRECT
DATA WIND IN 1540.00

S

RUT. 1540 1110. 130°
31.8 107 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



E -

- X

QUALITY 100

POLES DIRECT

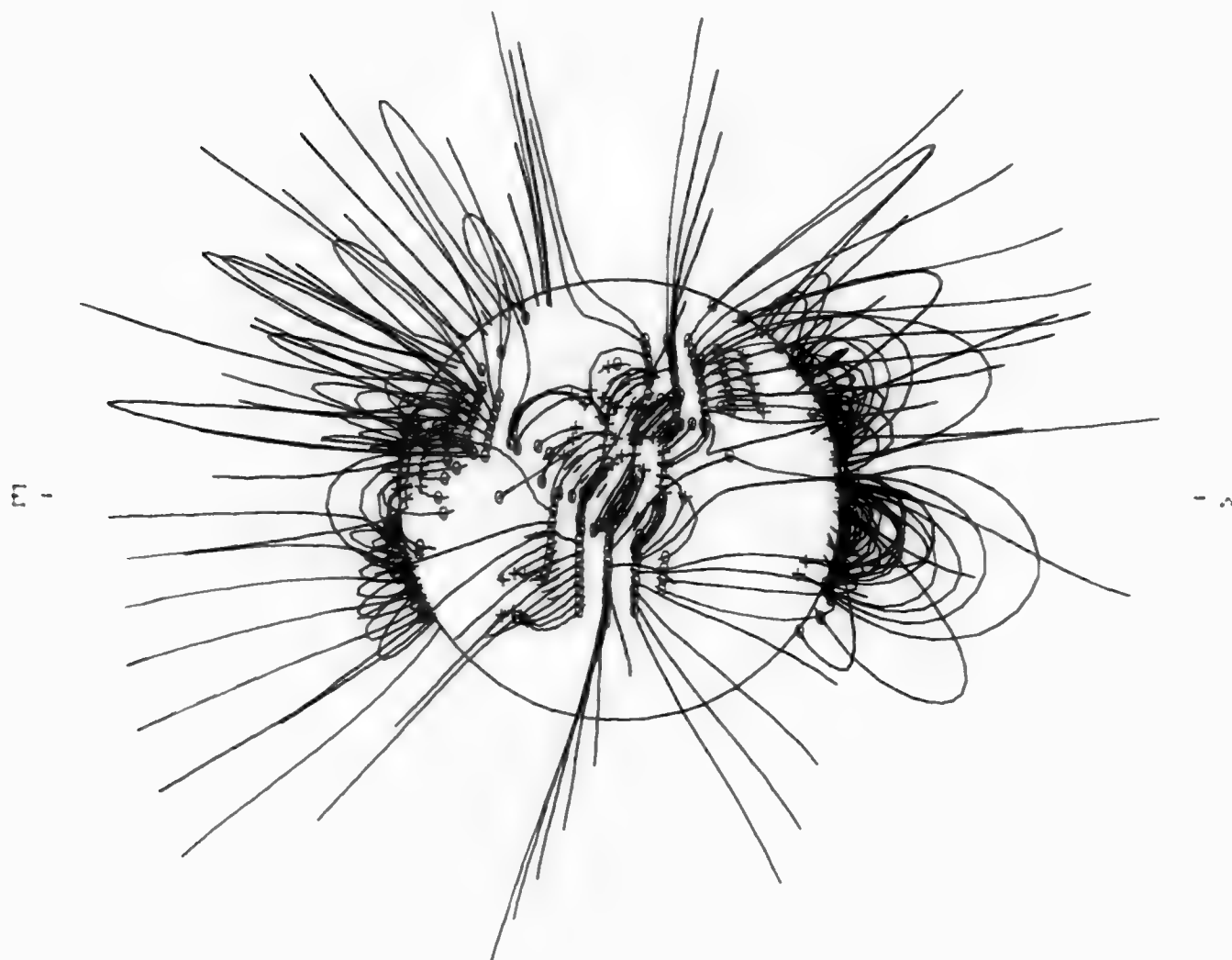
DATA WINDOW 1540.00

S

RUT. 1540 LONG. 121°

1.6 101 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



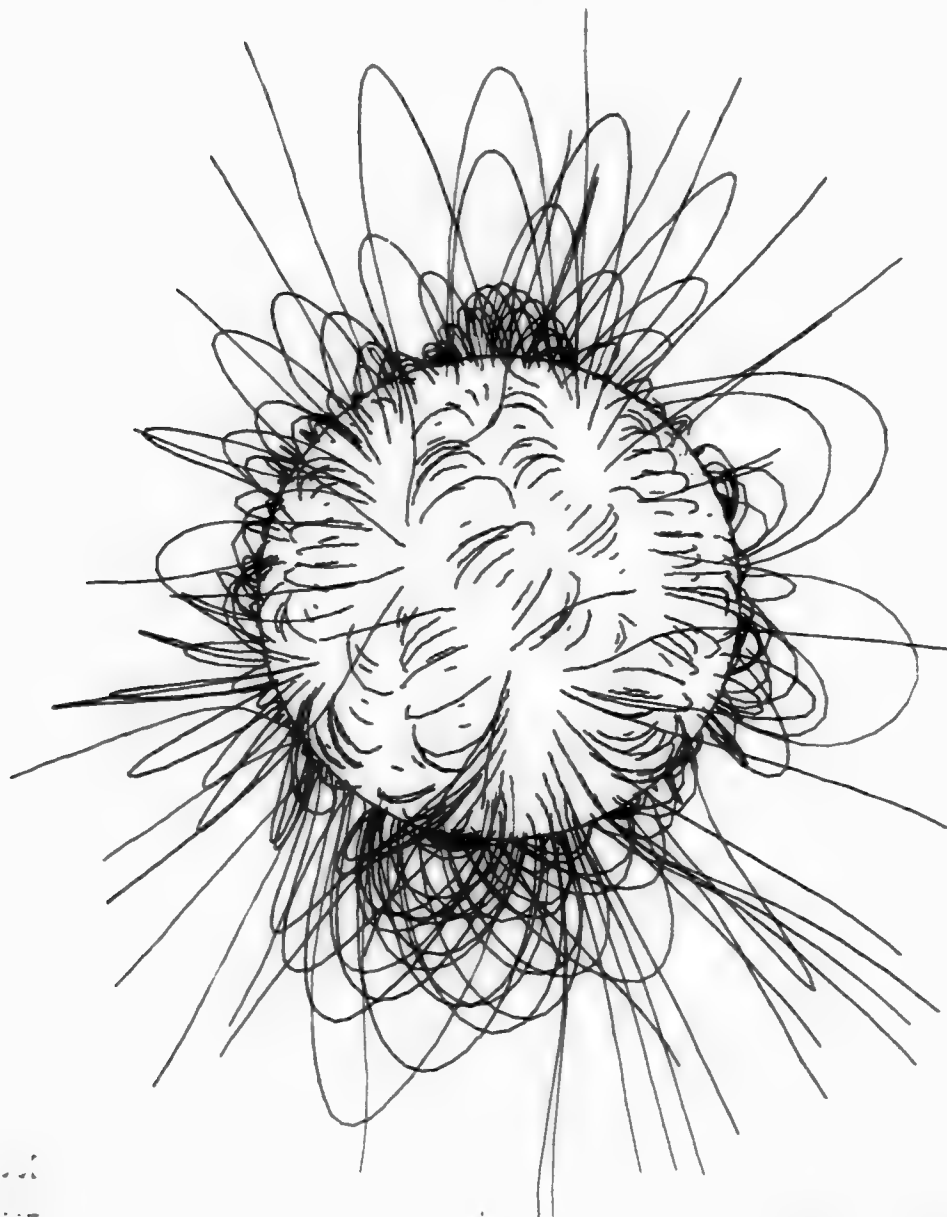
QUALITY GOOD
POLES DIRECT
DATA WINDOW 1540.00

S

R.T. 1540 L.T. 121°
1.5 101 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

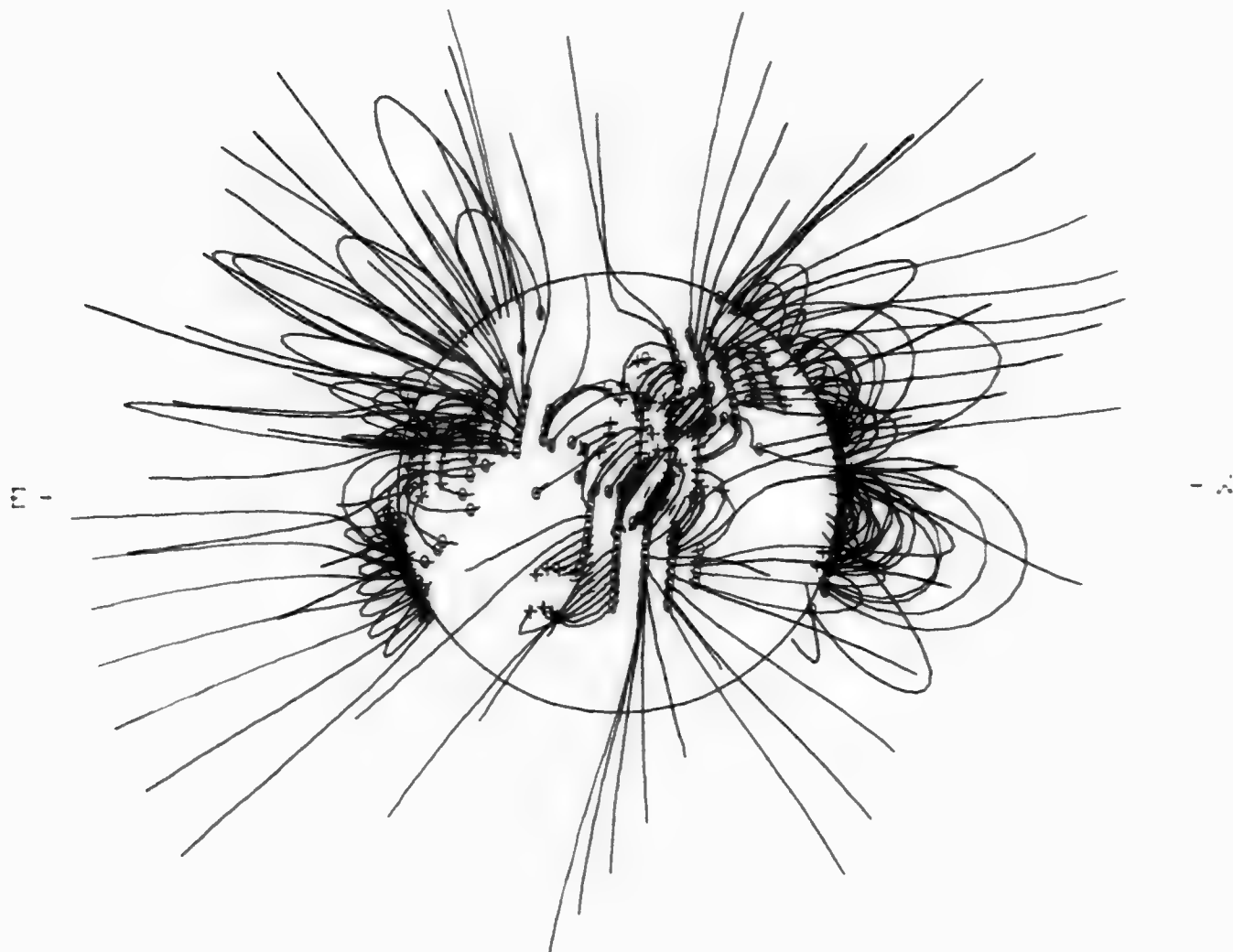


QUALITY 100
FILES DIRECT
DATA WINDOW 1540.00

S

RJT. 1540 100. 100°
2.4 100 100

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.1
FILES 1.1
DATA 1.1

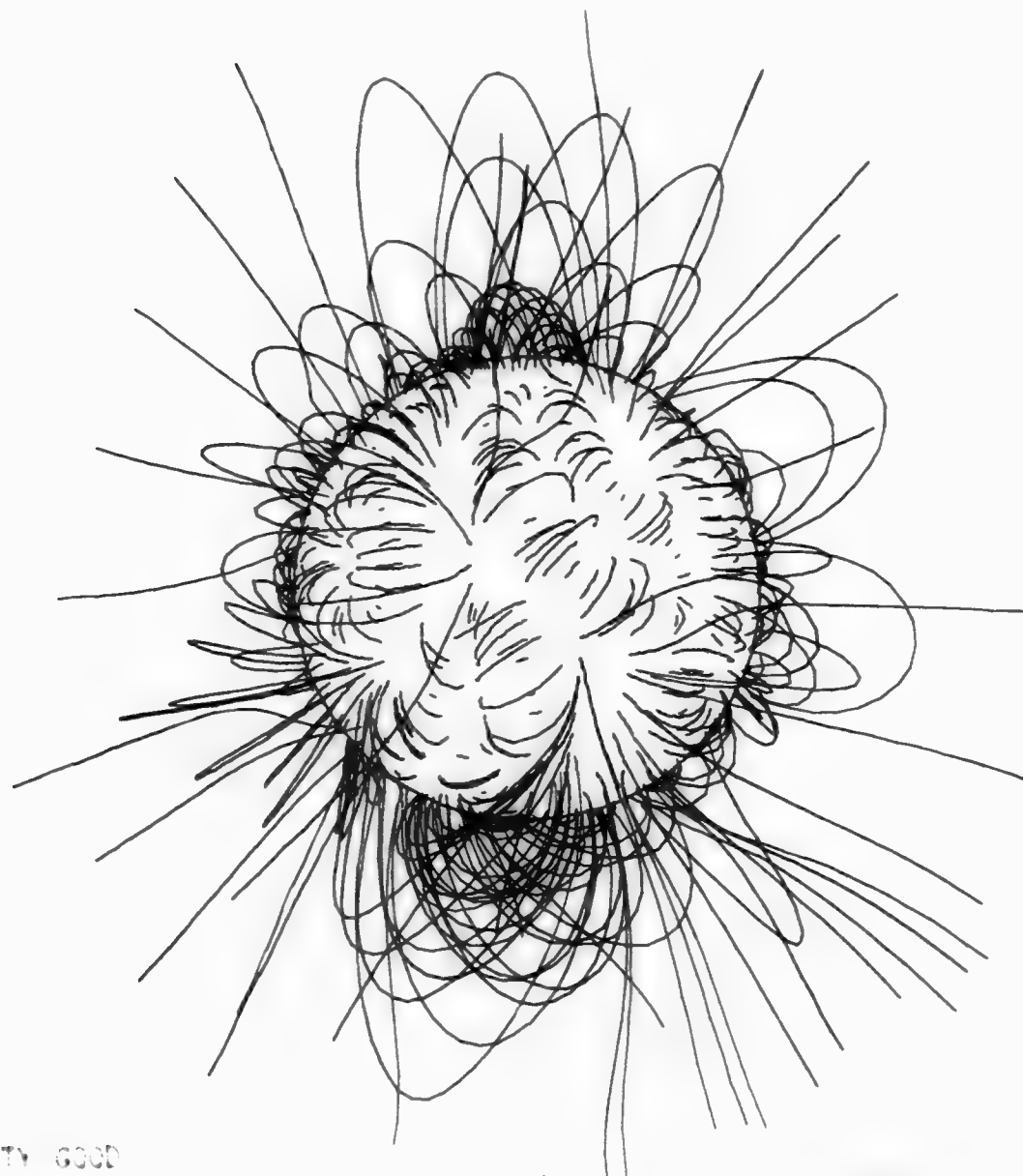
S

RT. 15.00 10.00 10.00
10.00 10.00 10.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

- W



S

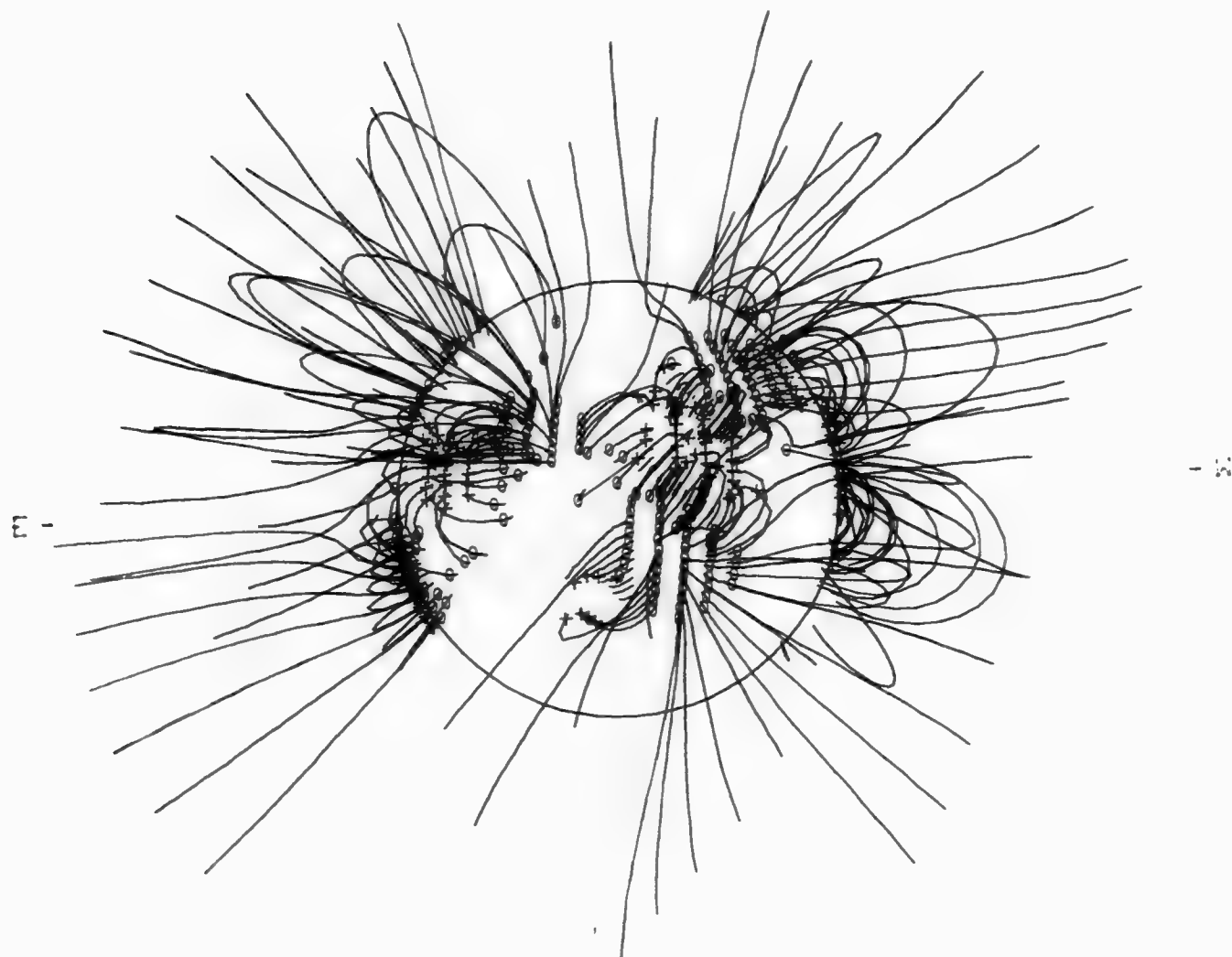
QUALITY GOOD

POLES DIRECT

DATA WINDOW 1540.00

ROT. 1540 LONG. 100°
 3.1 100 1468

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

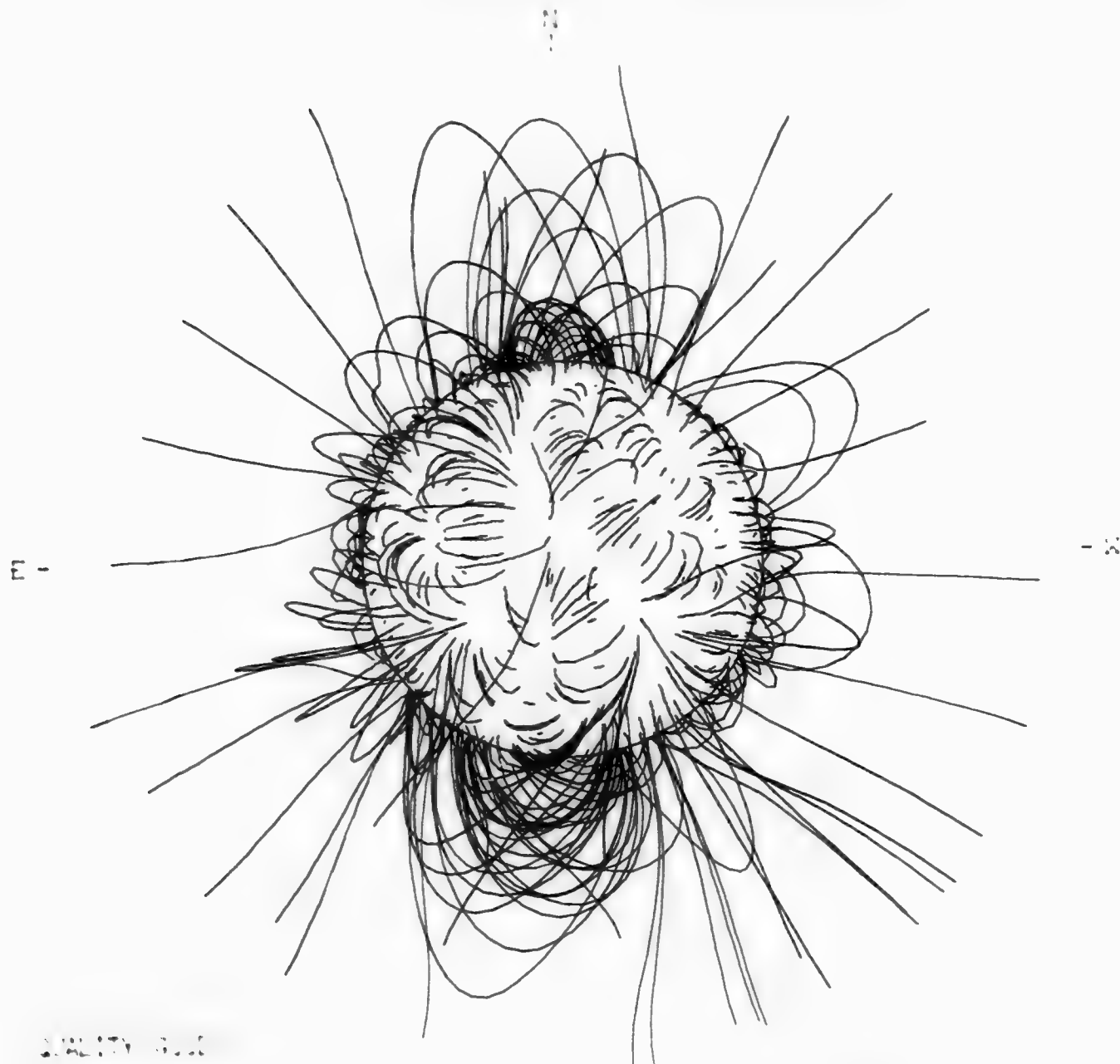


QUALITY GOOD
FILES DIRECT
DATA NUMBER 1540.00

S

REL. 1540 LONG. 100°
3.1 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0.00

POLES DIRECT

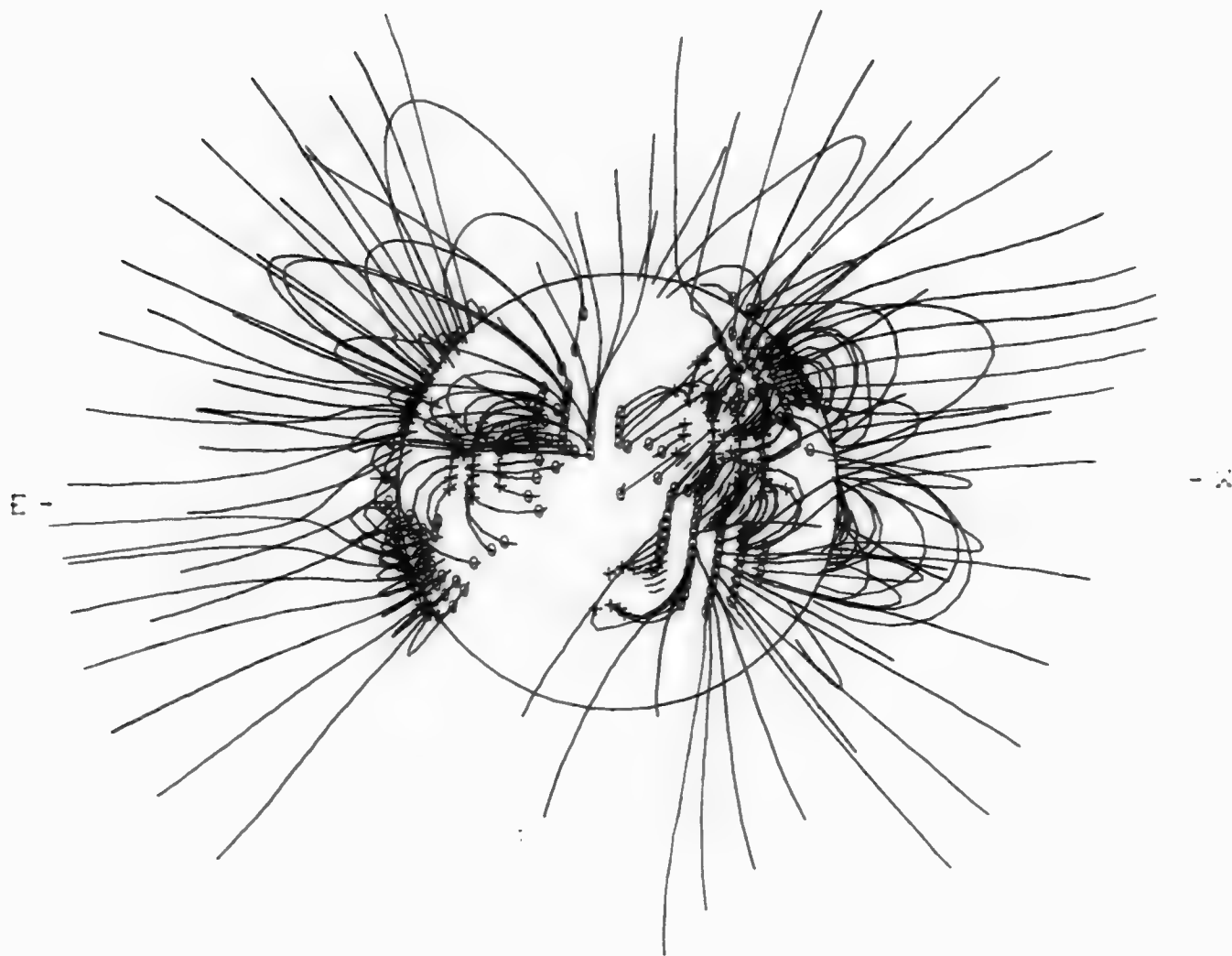
DATA WINDOW 1540.00

S

ROT. 1540 LONG. 14°

3.9 101 1968

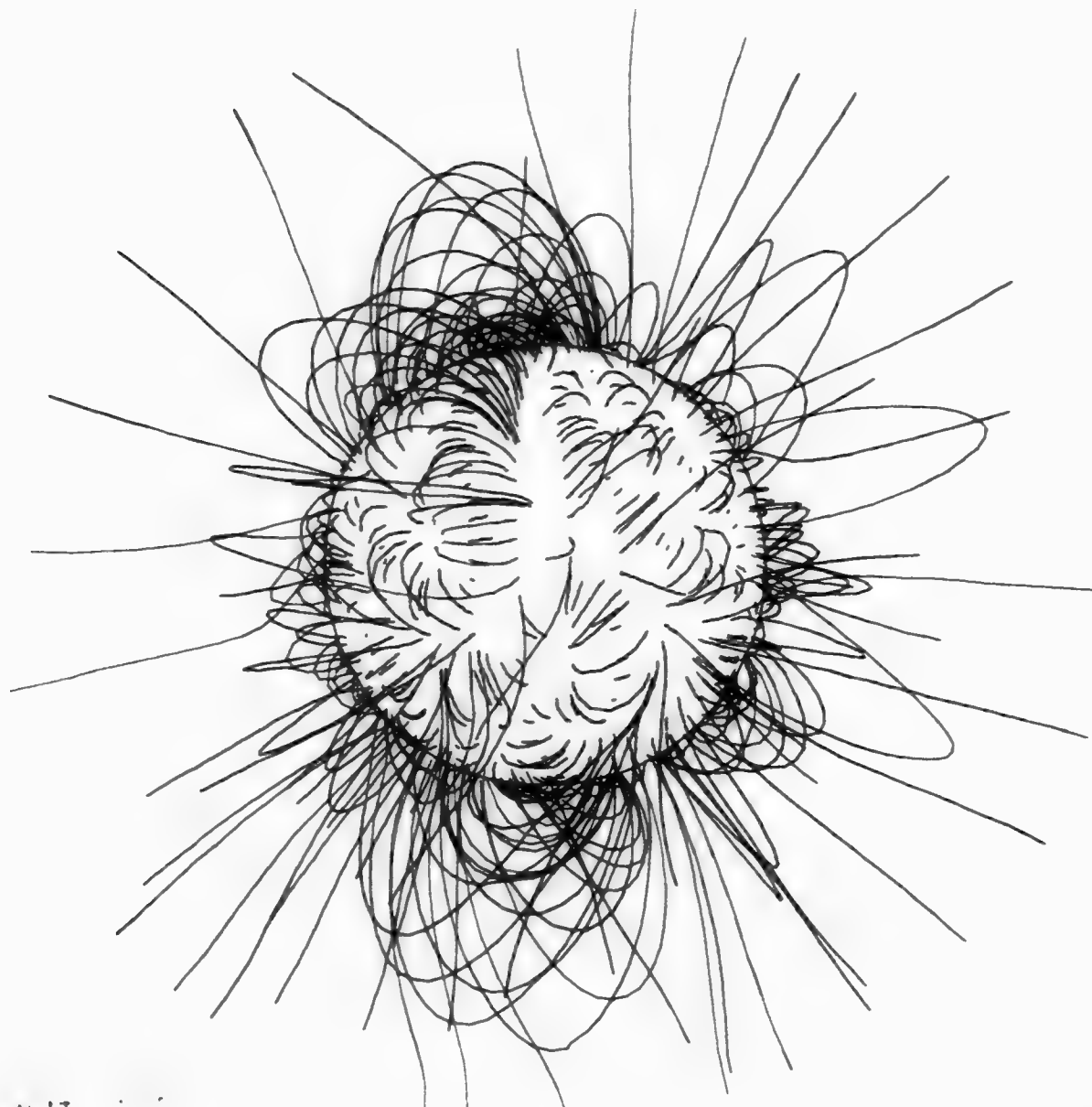
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0.00
POLES DIRECT
DATA AND/OR 1500.00

207. 1500 1010. 50°
3.9 101 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

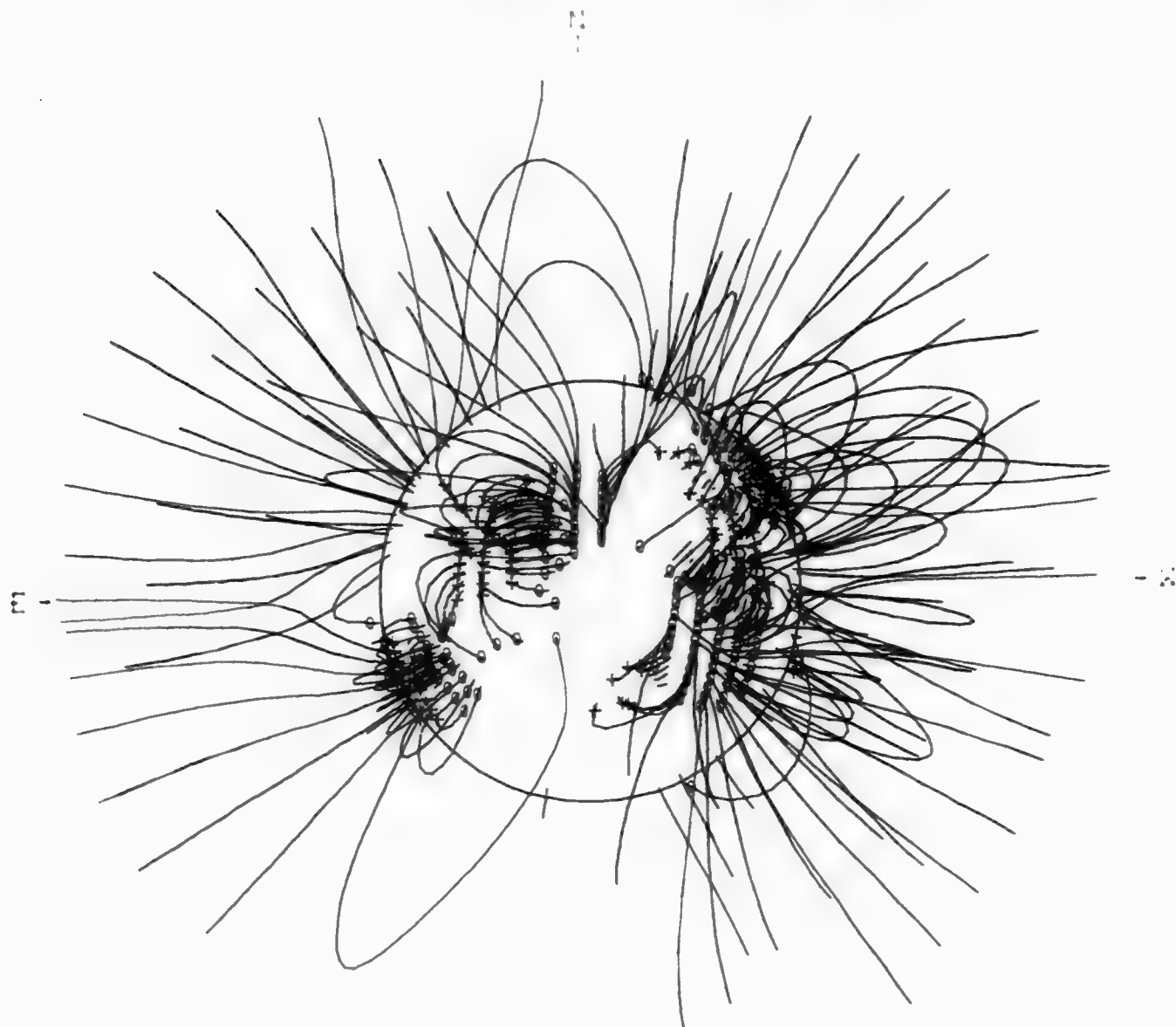


ALITY 10.0
 RULES DIRECT
 DATA WINDUP 1000.00

S

ROT. 1540 1000. 1000
 4.5 1000 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

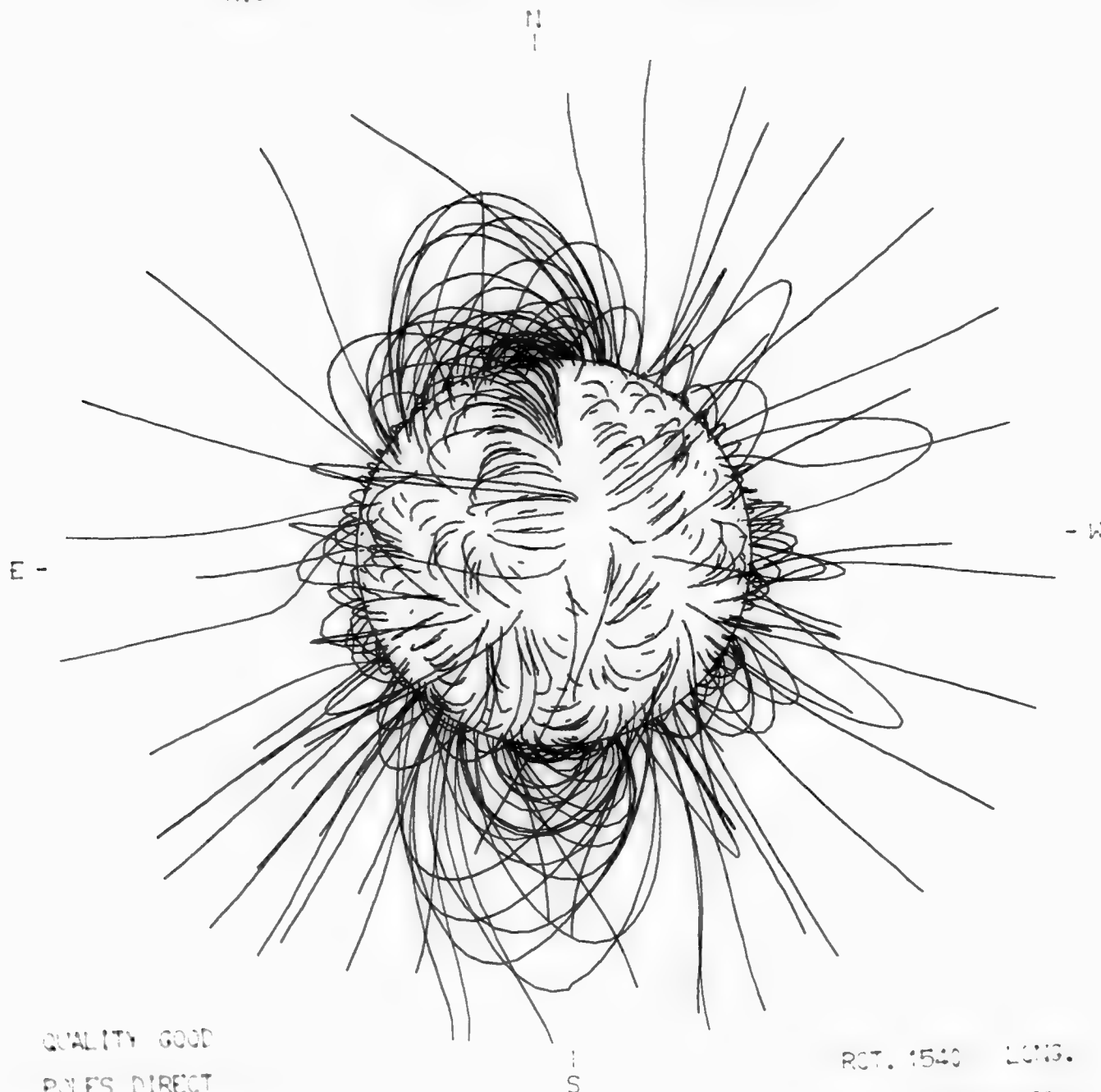


JACOBY 1954
 POLES DIRECT
 DATA FROM 1950-55

S
 N

RUT. 1950 1955 1960
 1965 1970 1975

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

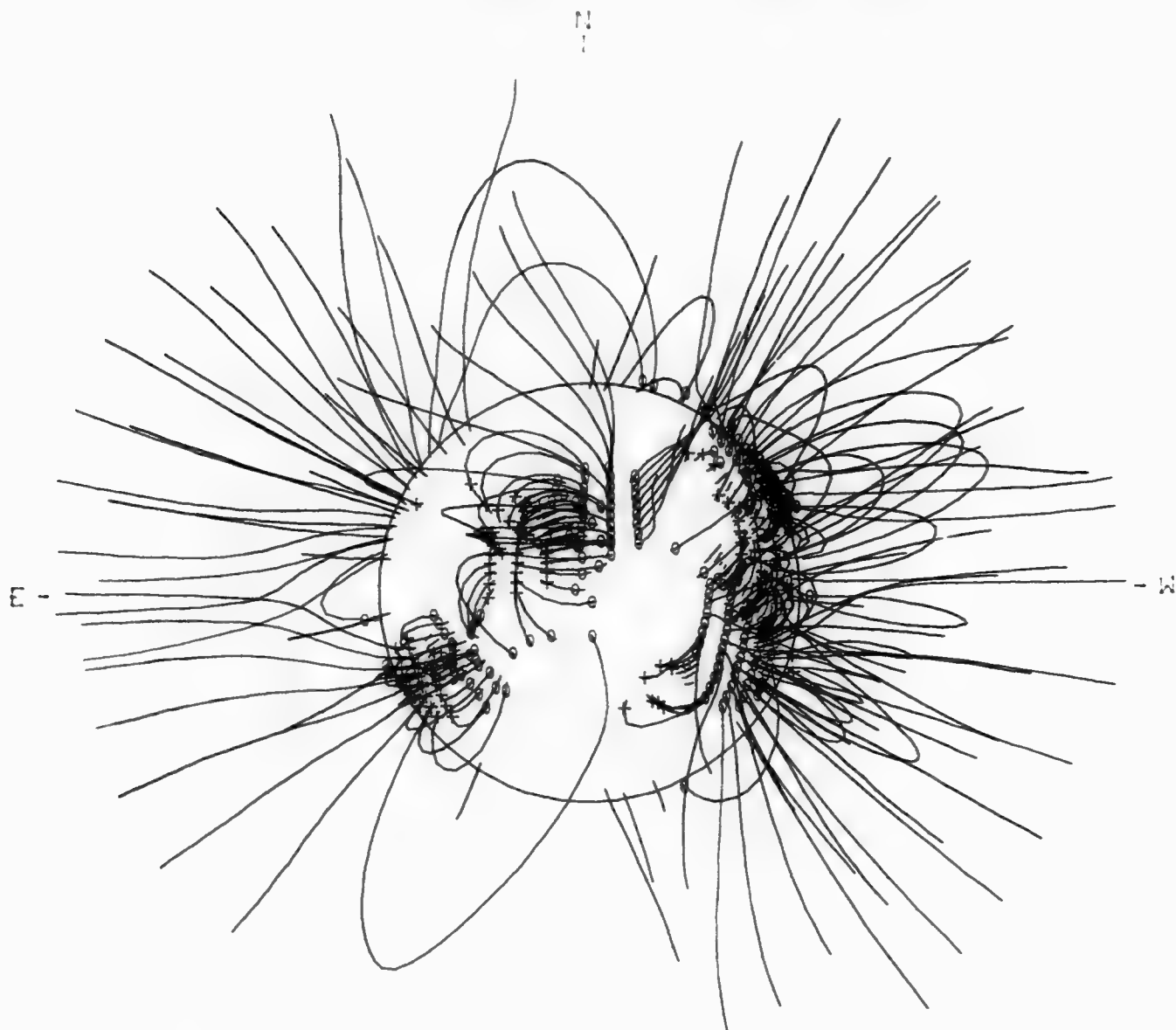
POLES DIRECT

DATA WINDOW 1540.47

RCT. 1540 LONG. 70°

5.4 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

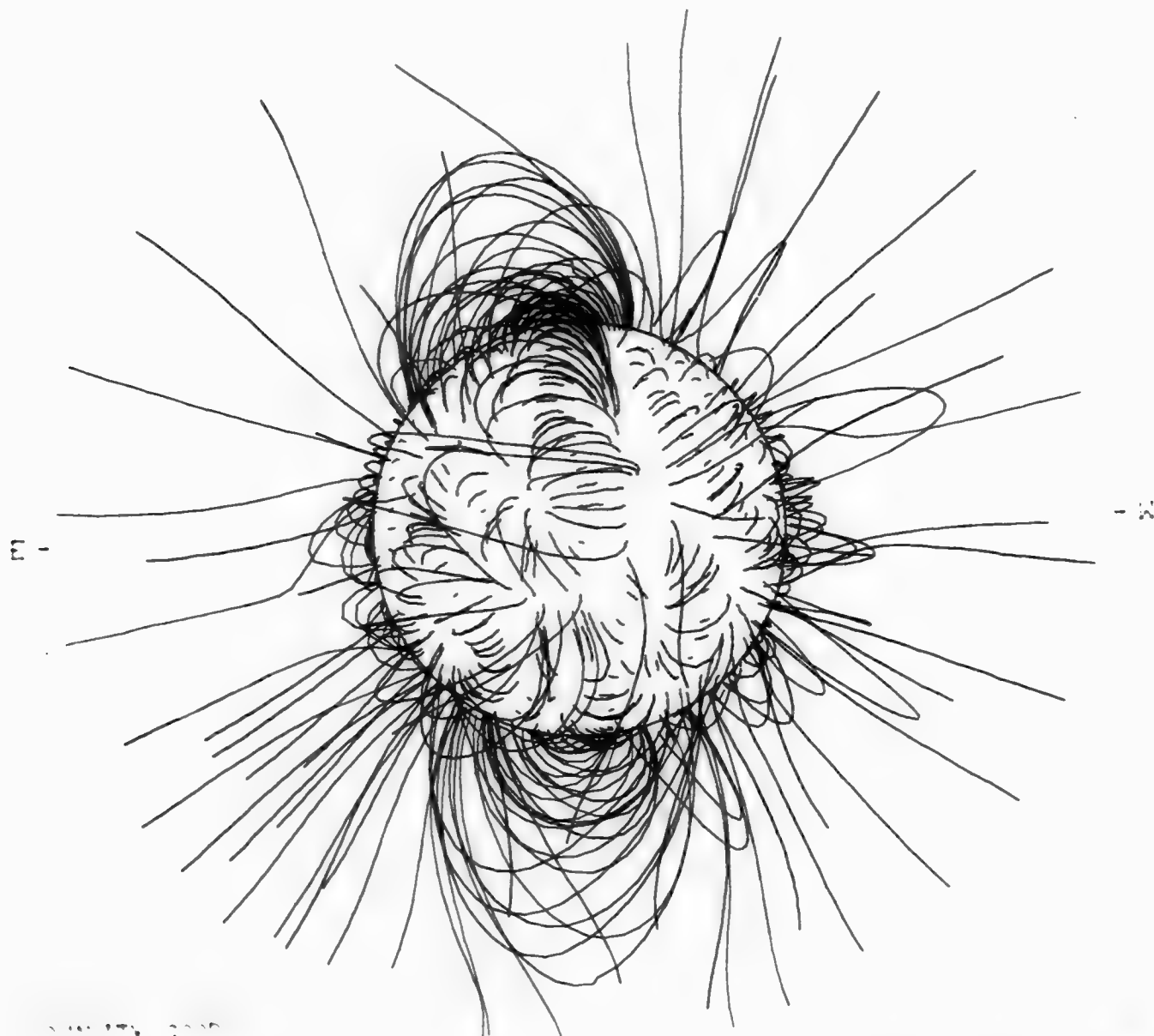
DATA RUN ON 1540.27

1
S

RUT. 1540 LONG. 70°

5.4 NOV 1968

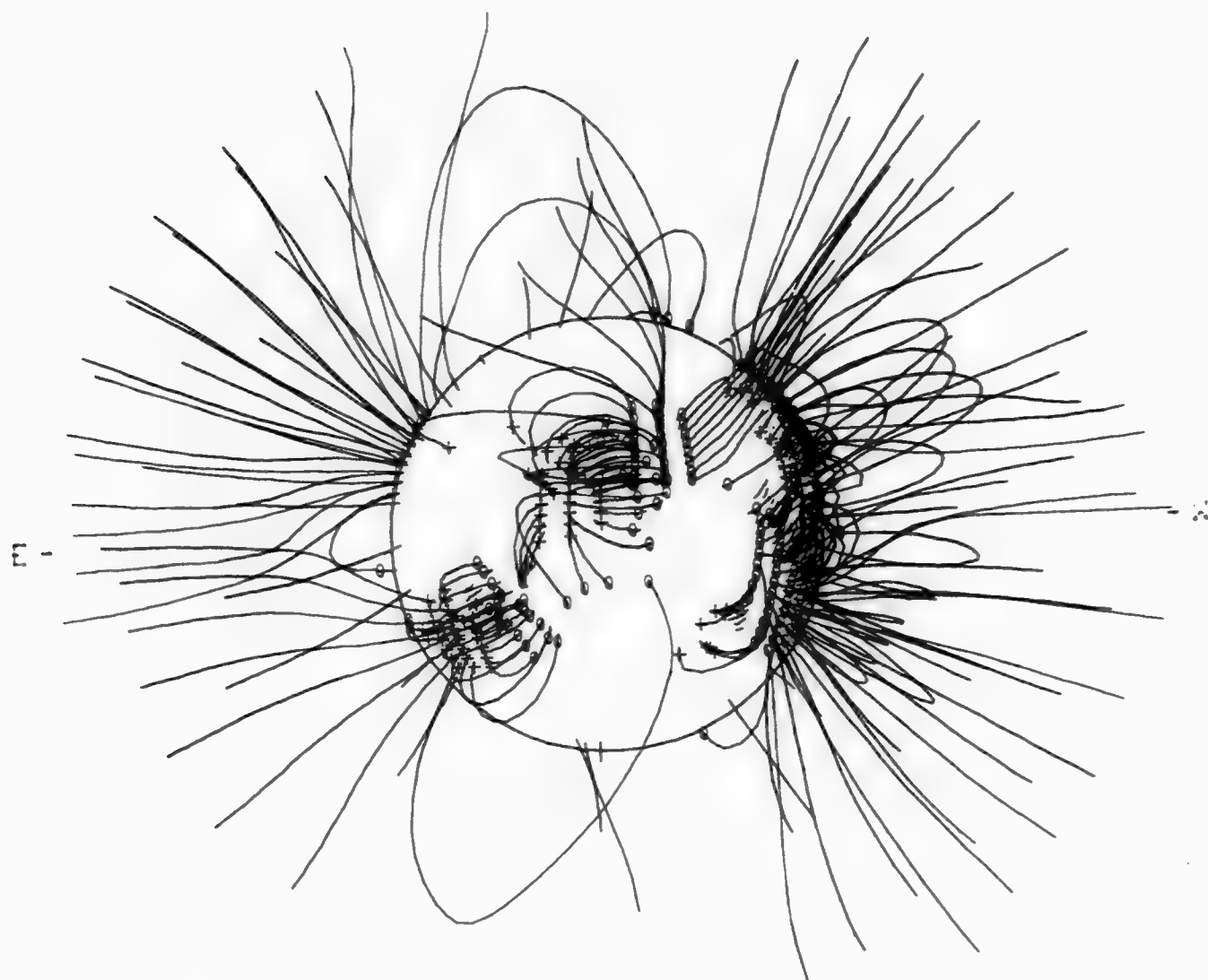
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES DIRECT
DATA WINDOW 1540.47

ROT. 1540 LONG. 60°
6.2 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

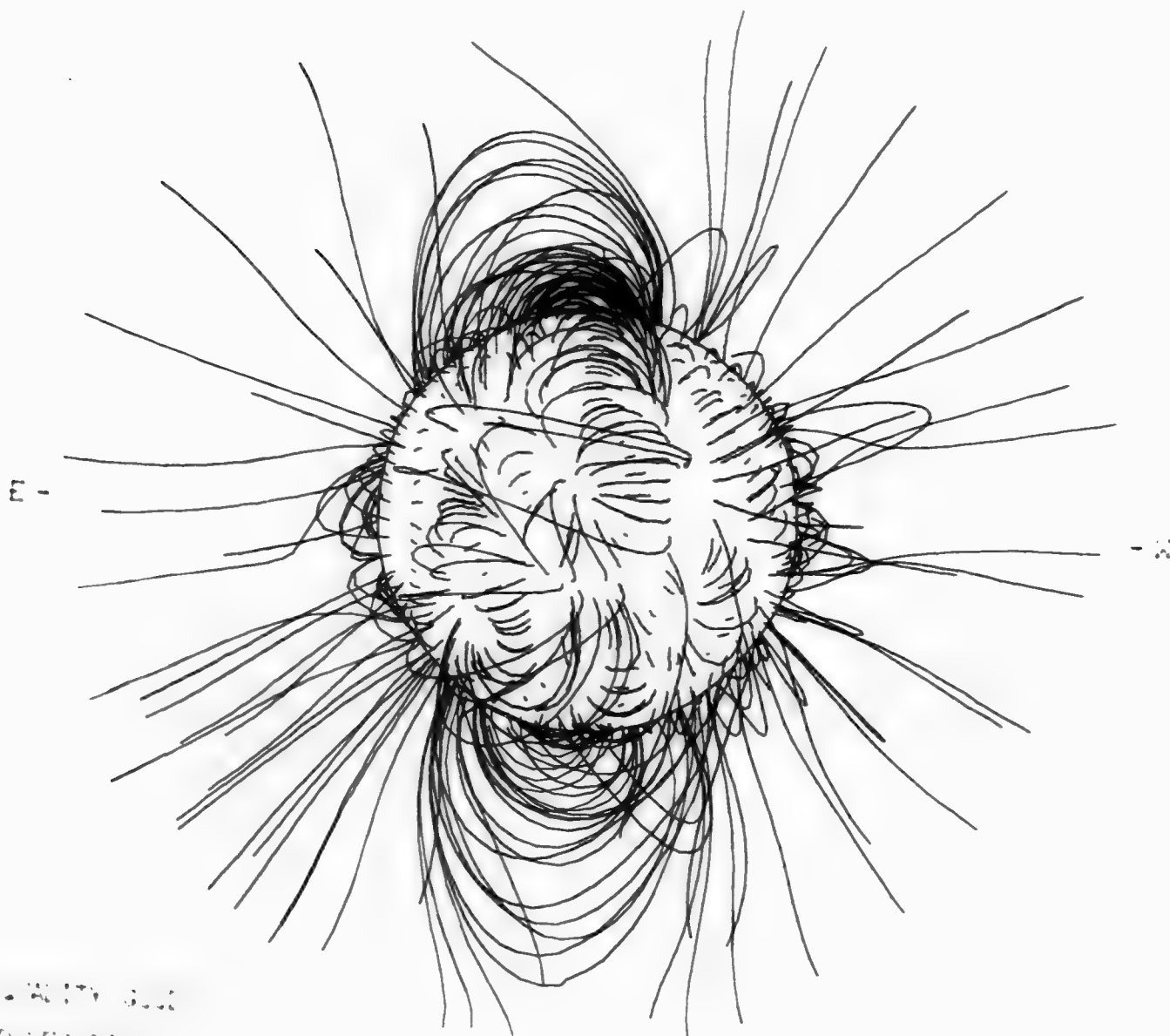


QUALITY 0000
 POLES DIRECT
 DATA AND/OR 1540.47

S

ROT. 1540 LONG. 60°
 6.2 10.1 1968

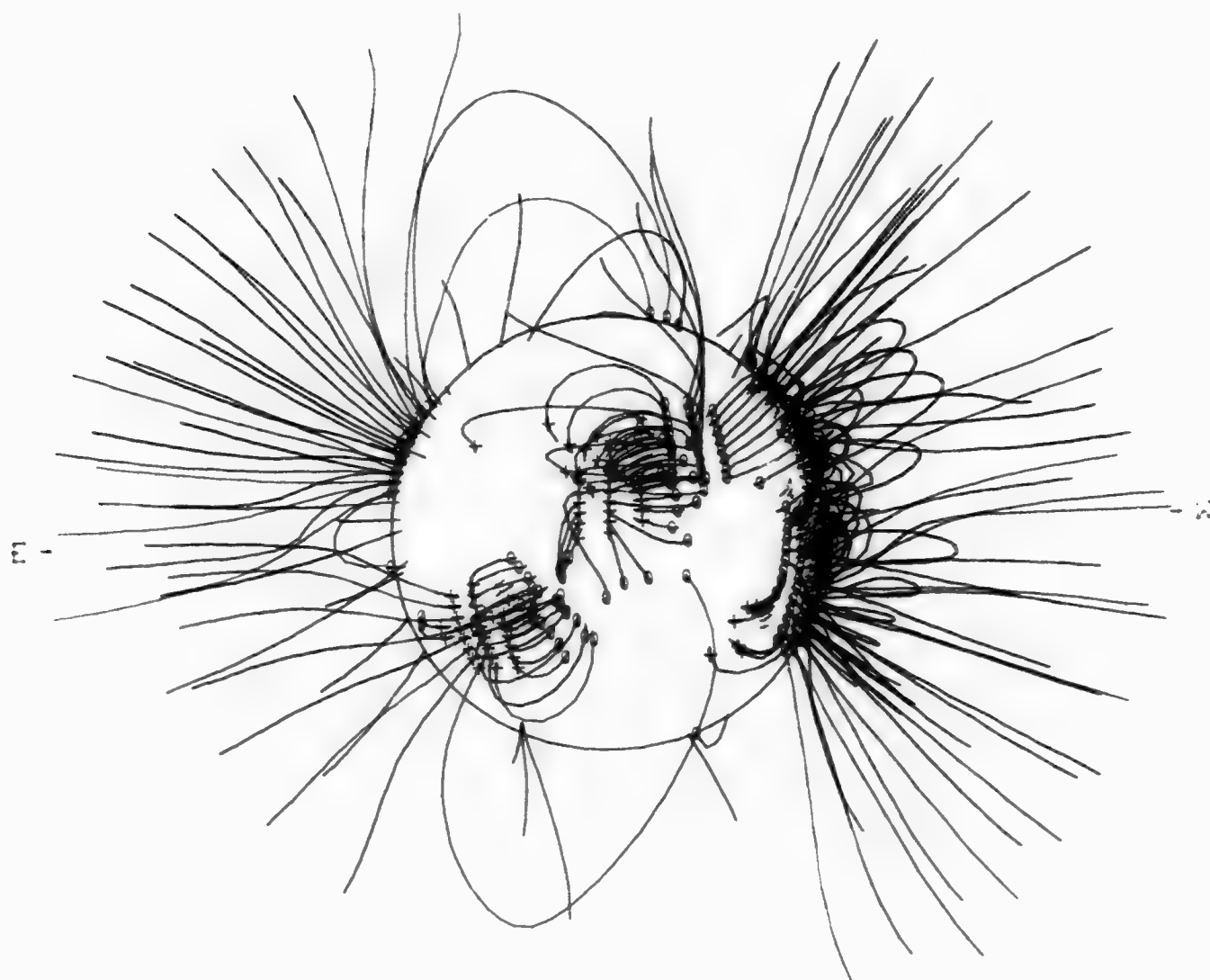
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 5.11
FILES DIRECT
DATA NUMBER 1540.07

ROT. 1540 0.10. 51°
0.9 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

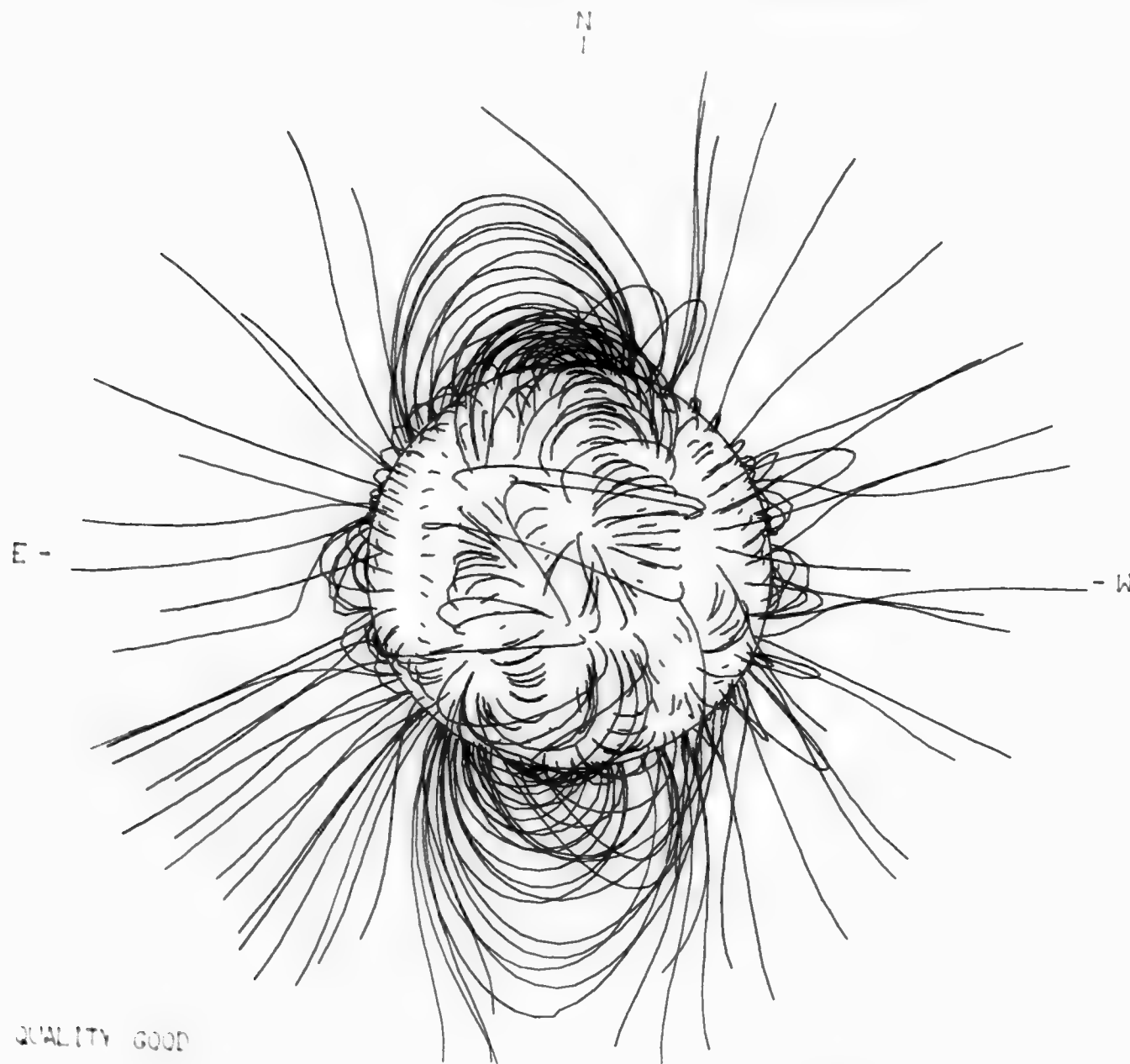


QUALITY GOOD
 FILED DIRECT
 DATA WITH IN "HIGHER"

1
 2

FILED 1950 10/10/50
 10/10/50

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

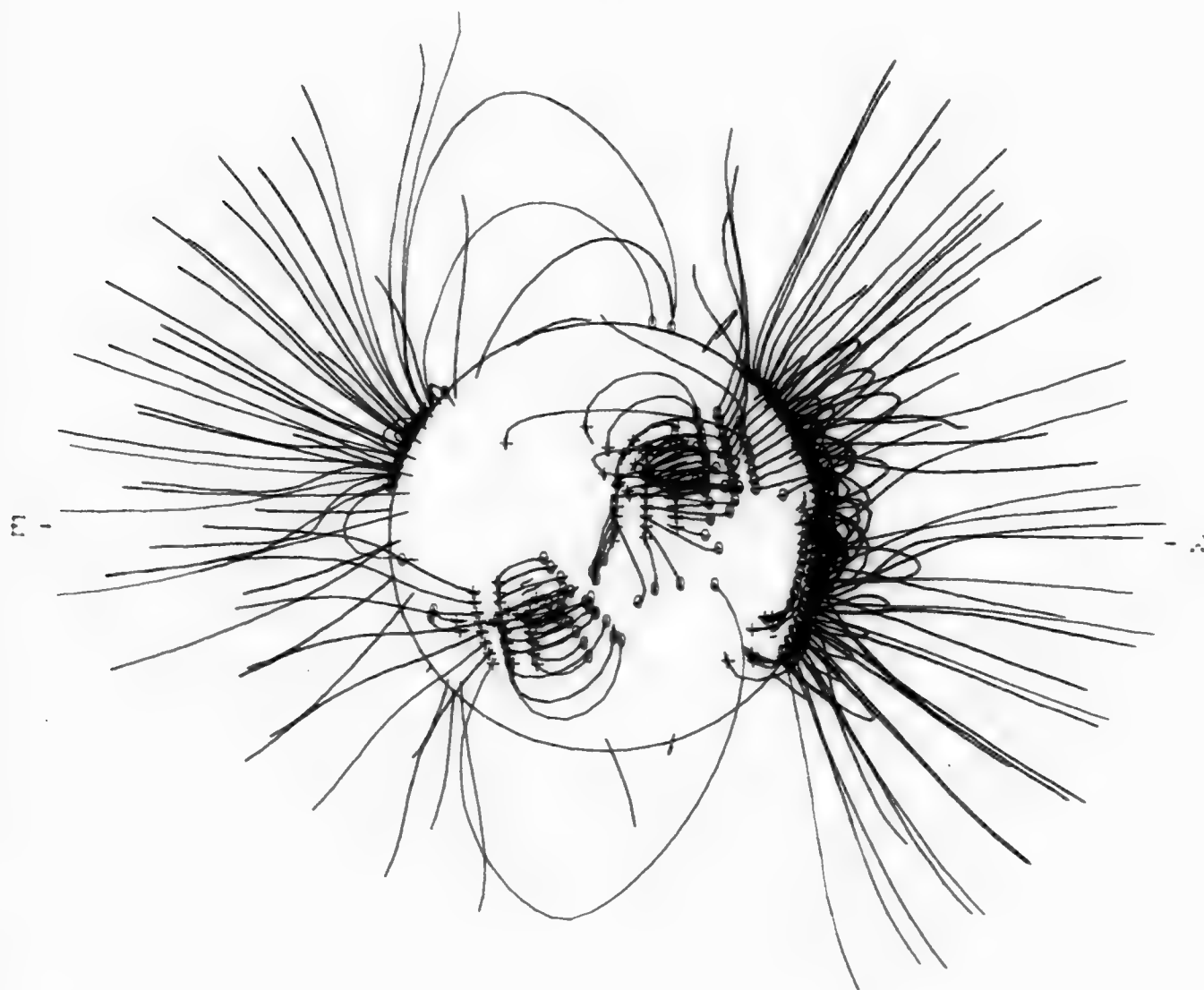
POLES DIRECT

DATA WINDOW 1540.47

ROT. 1540 LONG. 40°

7.7 NOV 1968

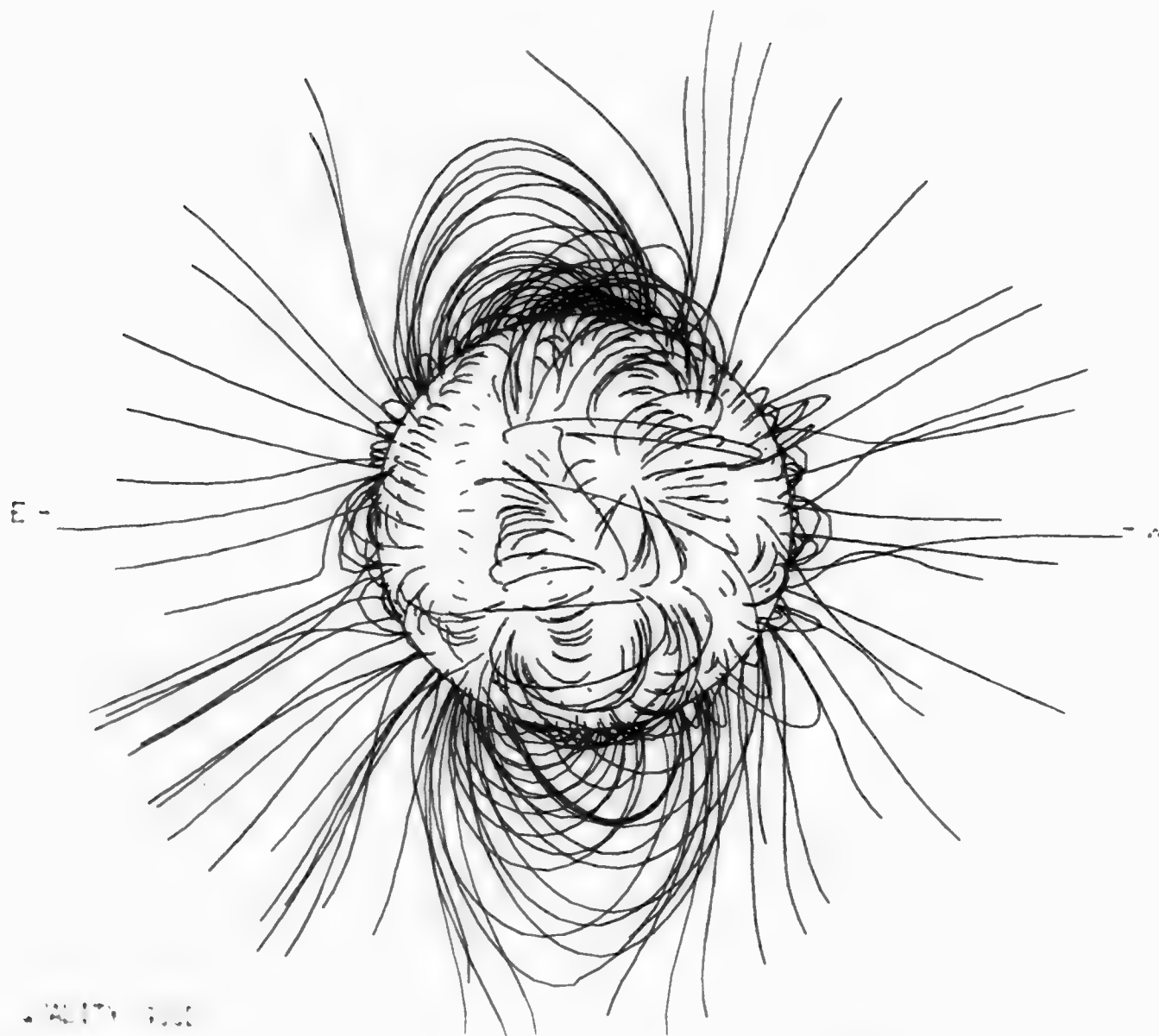
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



JAN 17 1966
FLEET DIRECT
DATA CENTER 1500.0

P.T. 1500 1000.00
1000.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.00

FILES DIRECT

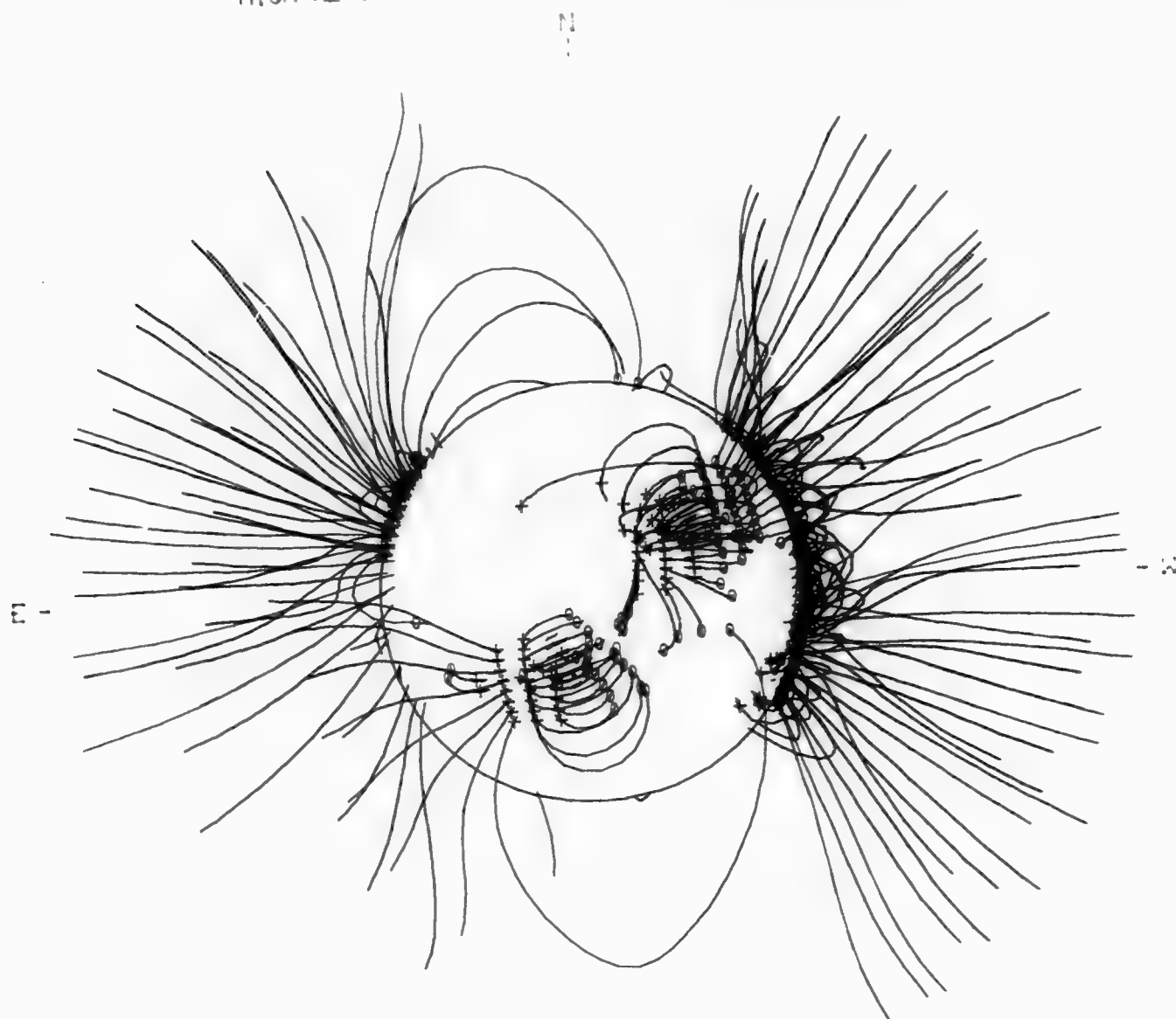
DATA WINDOW 1540.47

S

ROT. 1540 LONG. 30°

8.4 10.1 1.08

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

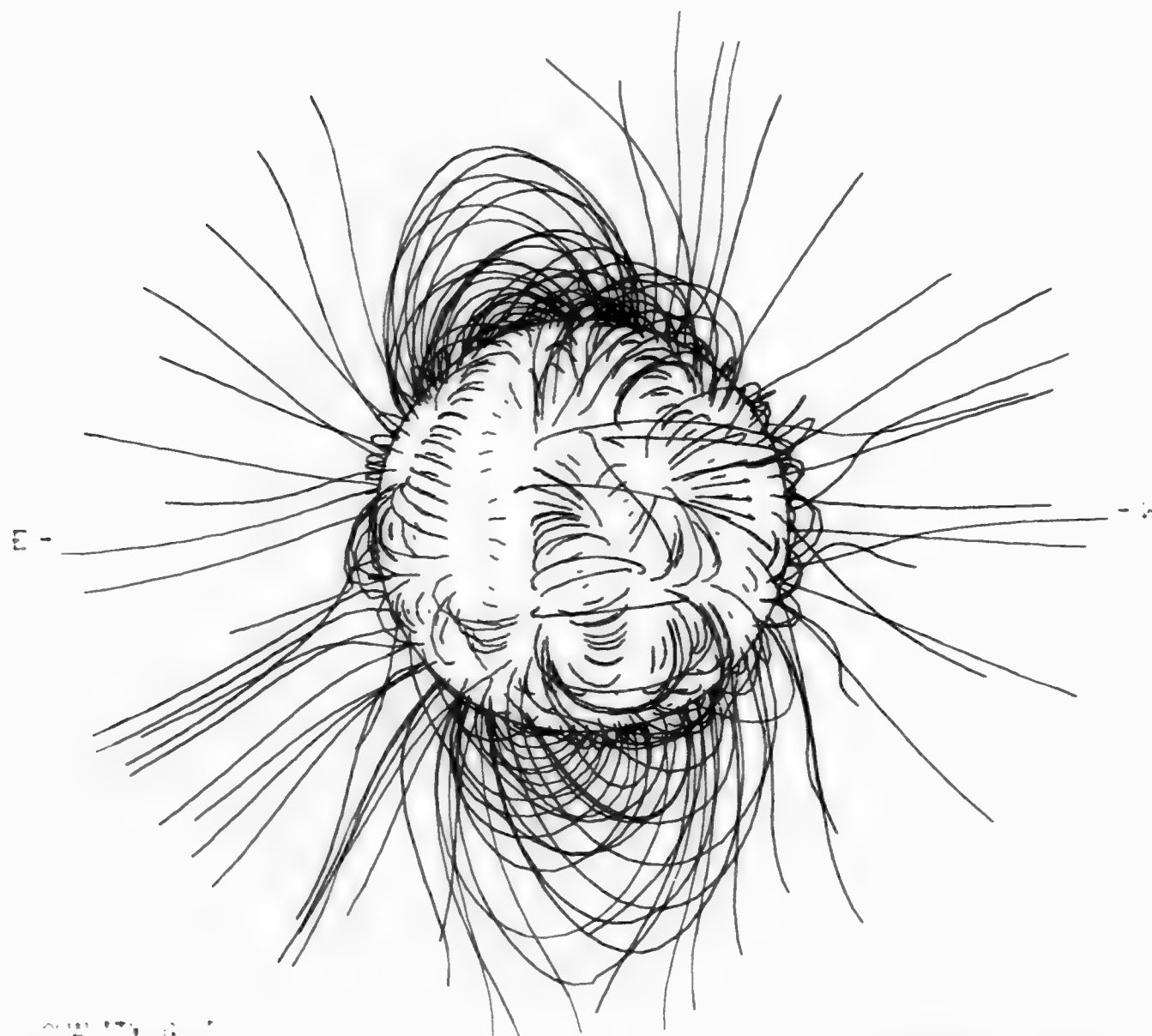


QUALITY GOOD
POLES DIRECT
DATA WIND IN 1540.47

S

RUT. 1540 LONG. 30°
8.4 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



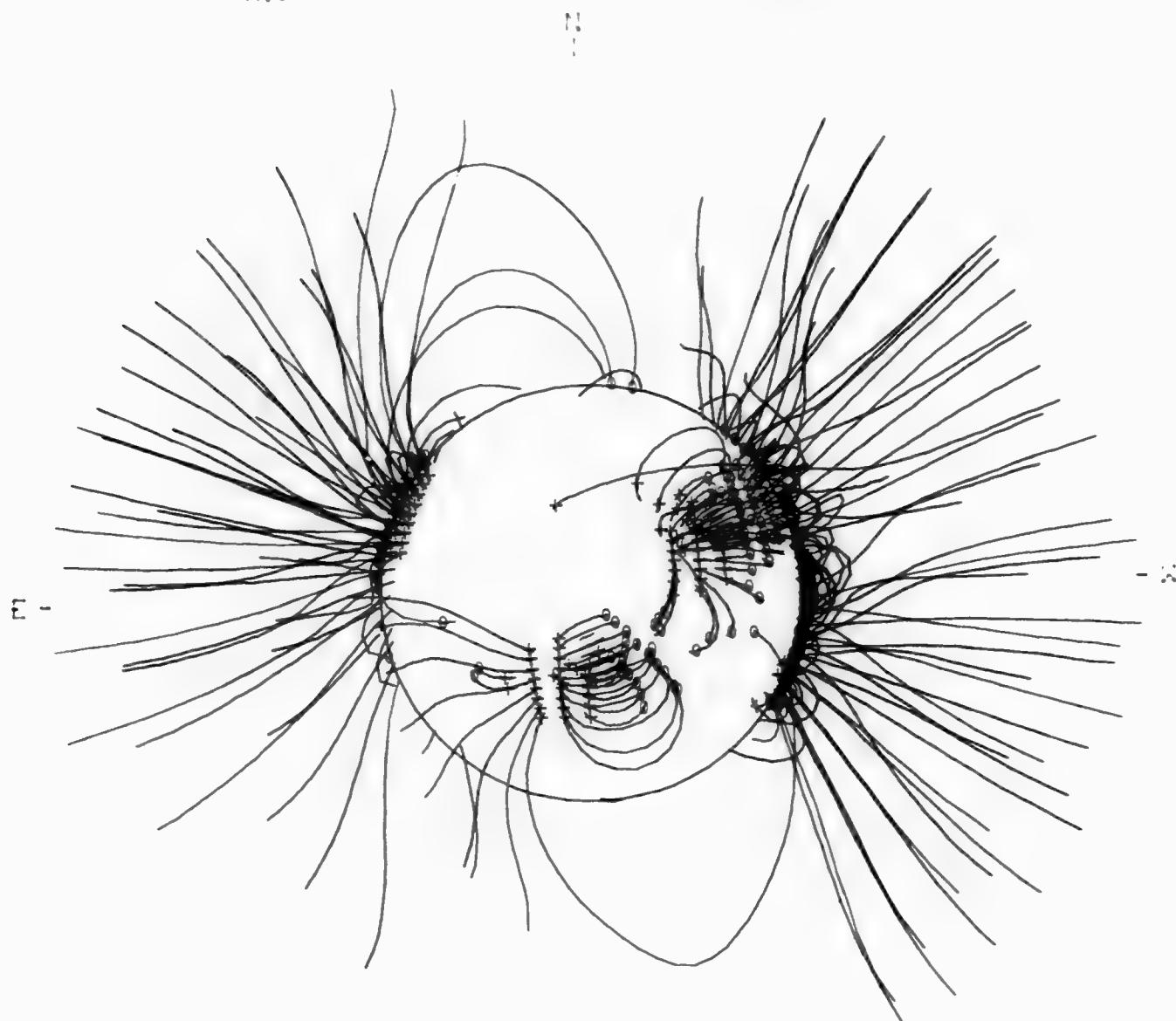
QUALITY 0.00

POLES DIRECT

DATA ANGLE 1540.07

ROT. 1540 LONG. 10°
 9.2 10.1 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

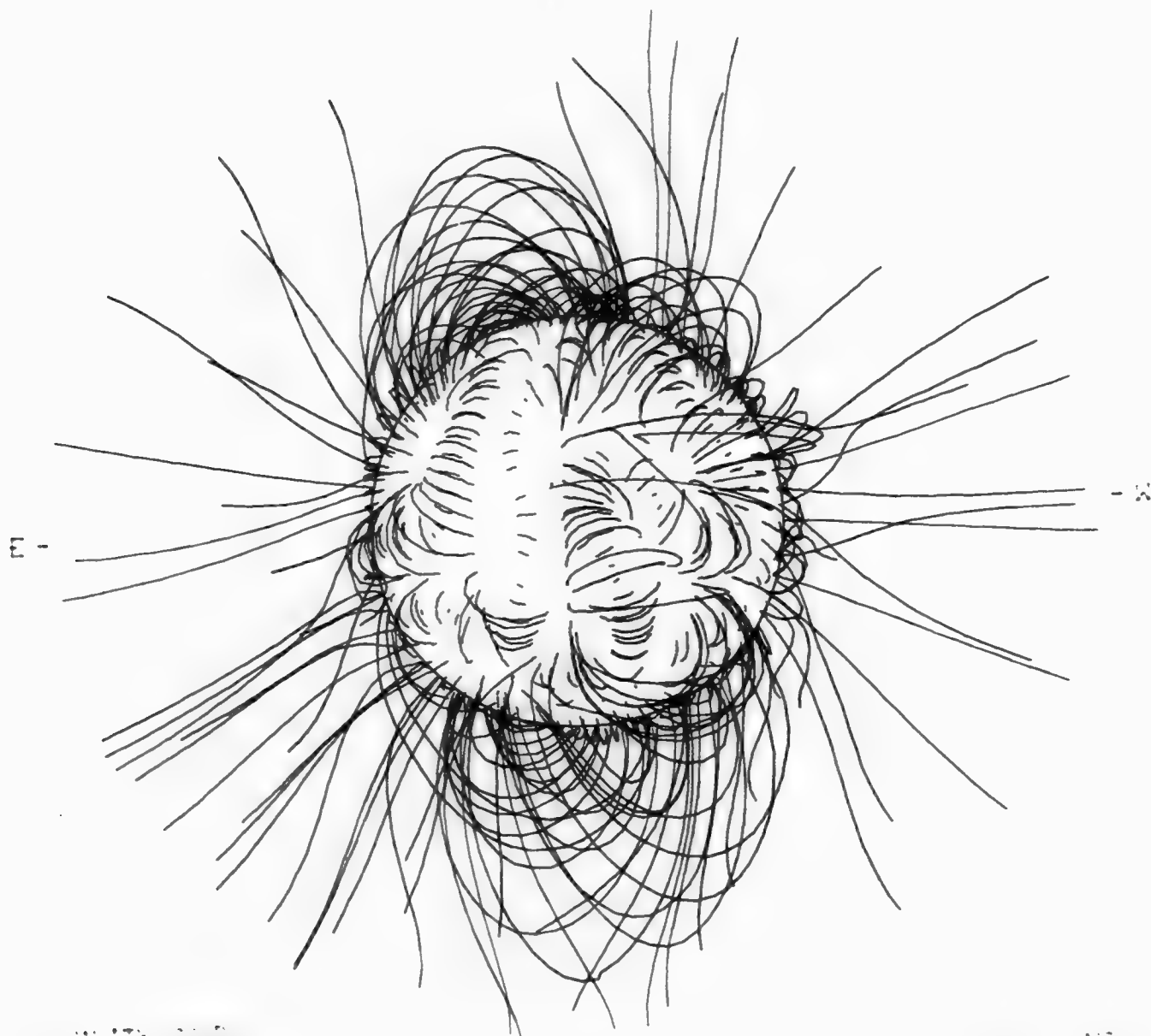


QUALITY 300
 POLES DIRECT
 DATA WINDOW 1540.47

S

ROT. 1540 LONG. 10°
 9.2 100 1968

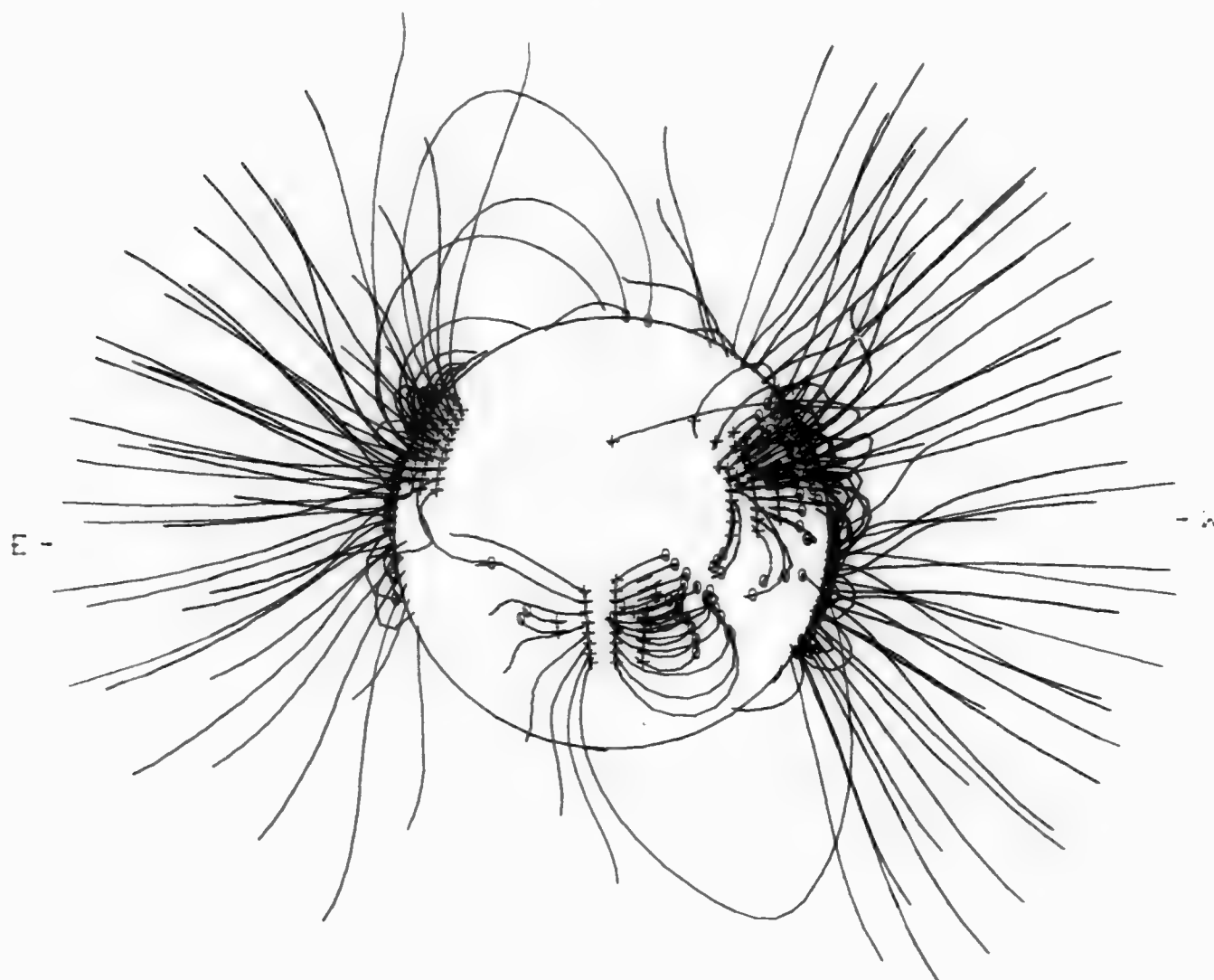
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HALE 1968
POLES DIRECT
DATA WINDON 1540.47

ROT. 1540 LONG. 10°
9.9 101 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

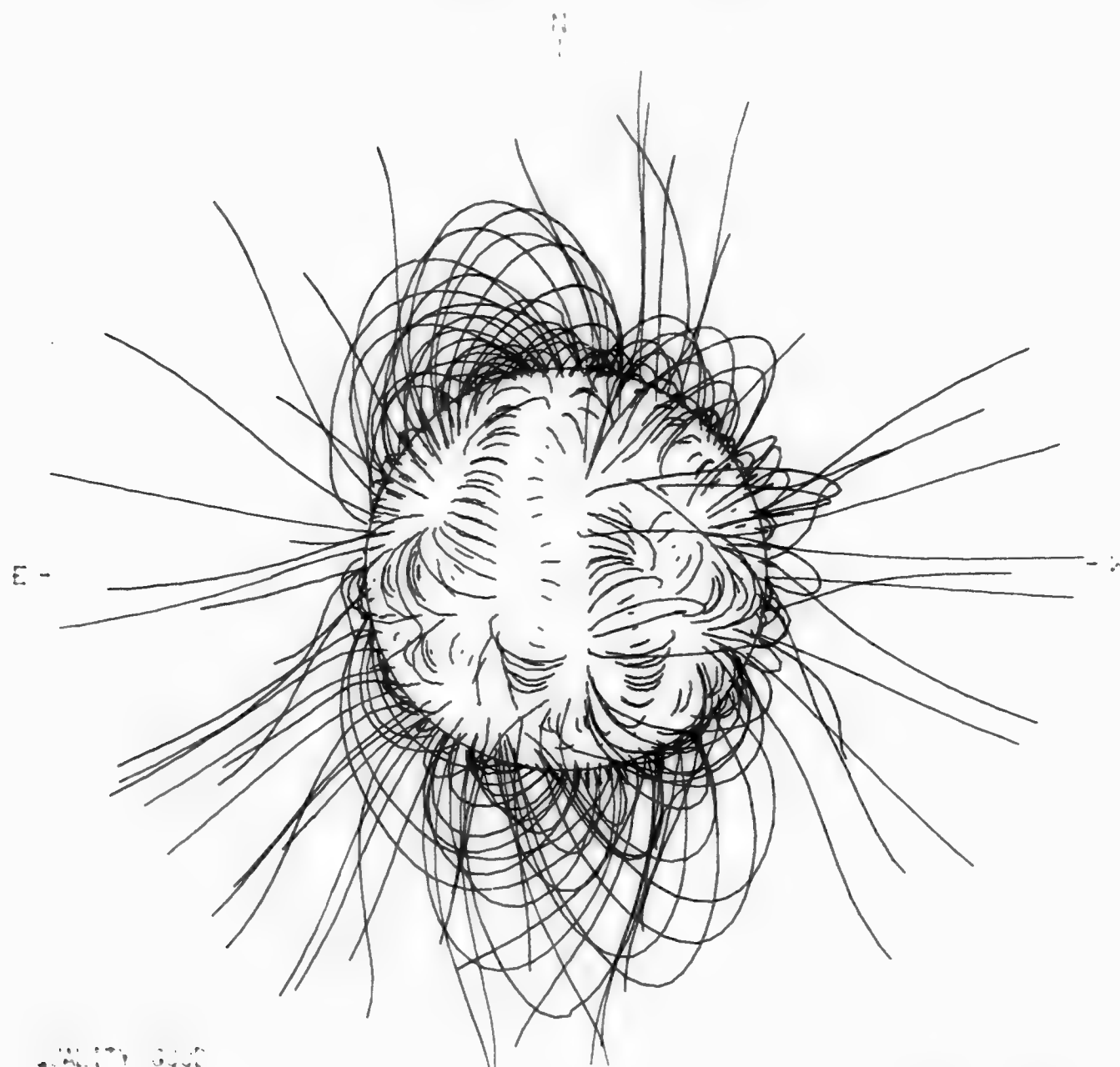


QUALITY 100
FILES DIRECT
DATA AND LA 1960.00

S

RET. 1540 2013. 11
NOV 11 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

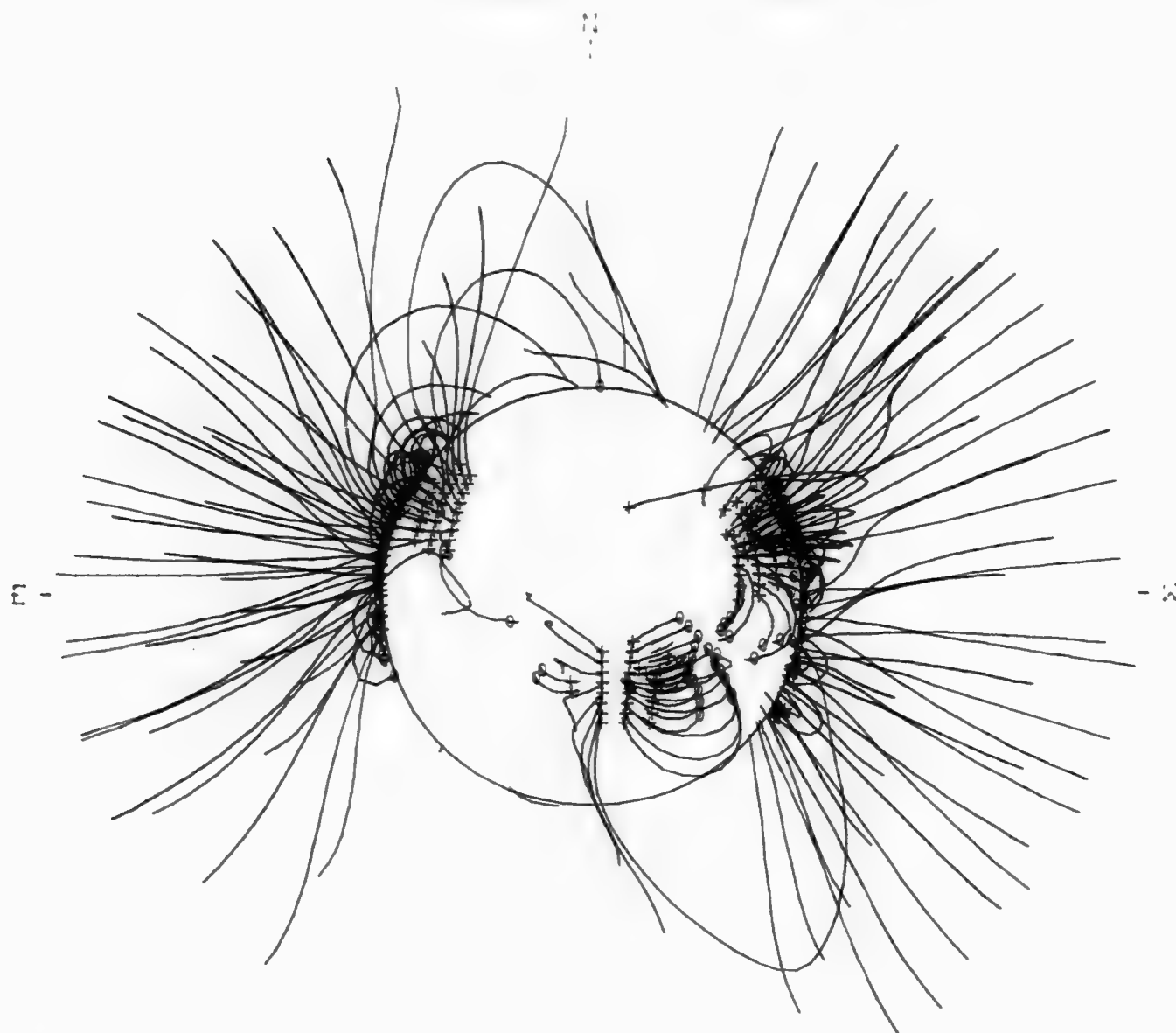
DATA APRIL 1960.47

S

RUT. 1540 LUNG.

10.7 10.7 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

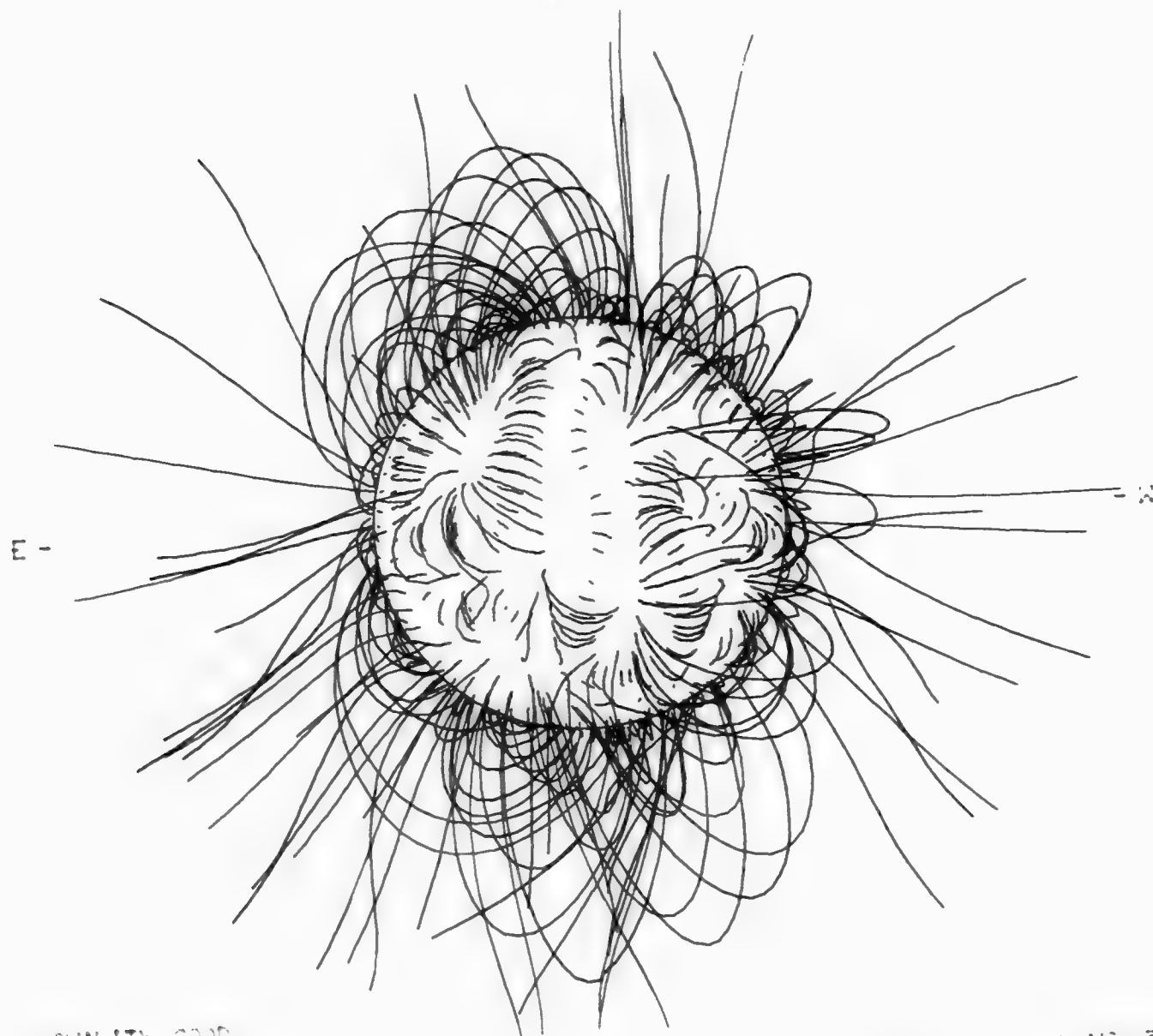
DATA WINDOW 1540.00

S

RUT. 1540 LONG. 0°

10.7 JUL 1968

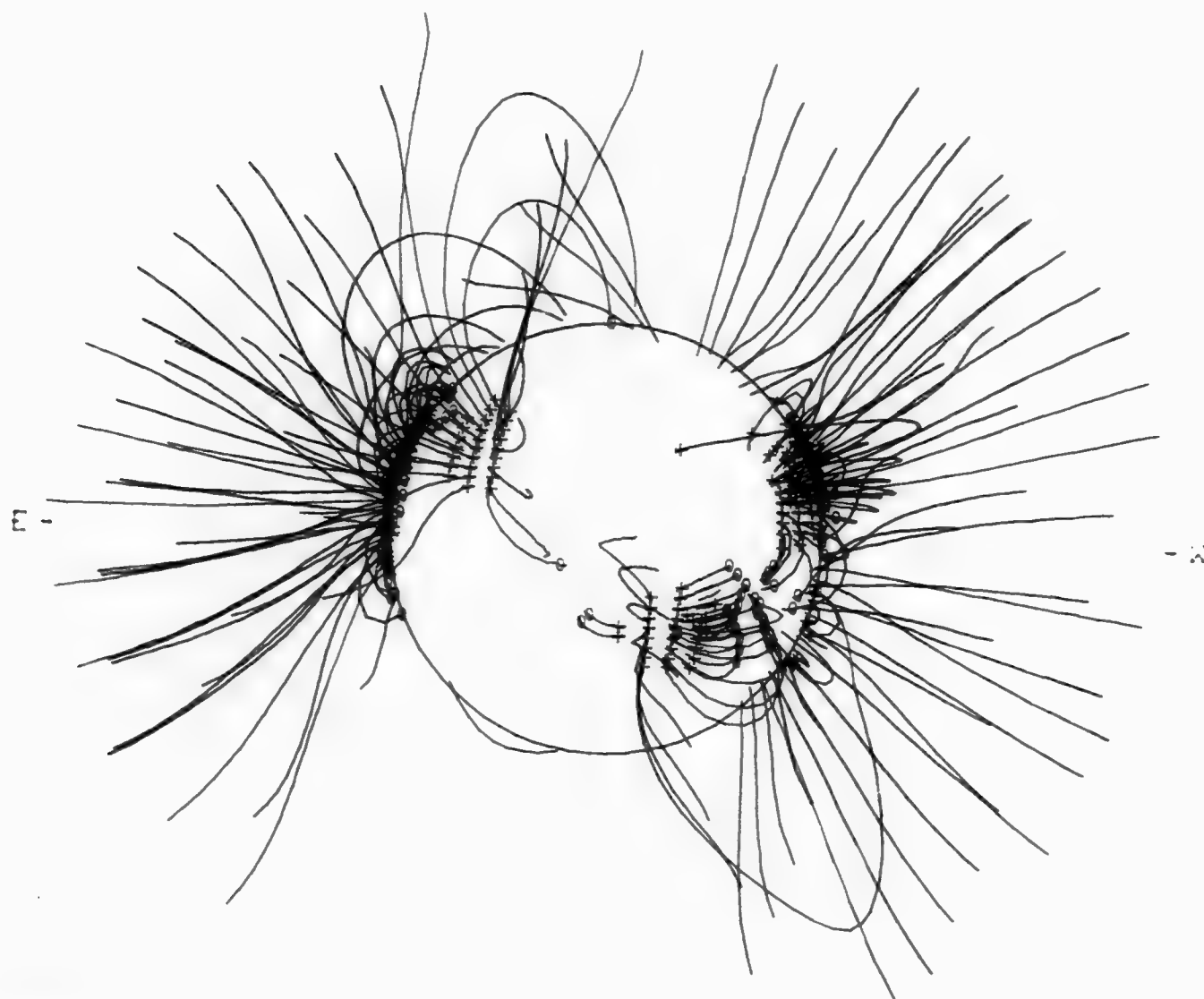
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES DIRECT
DATA WIND IN 1500.47

ROT. 150° LONG. 350°
11.5 10.1 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

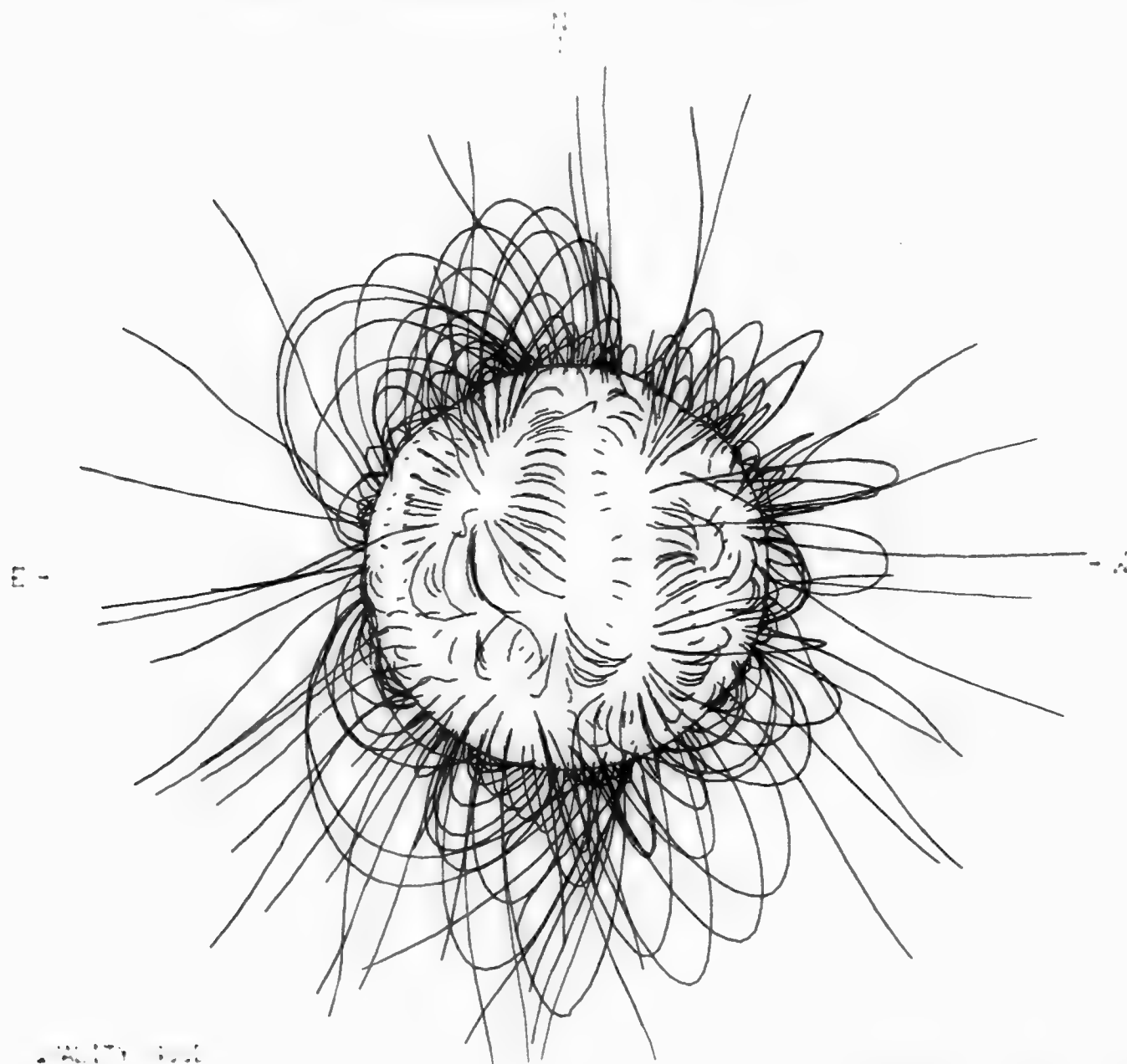


QUALITY GOOD
FILES DIRECT
DATA AVAILABLE 1960-61

S

RJT. 1541 LONG. 350°
11.5 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

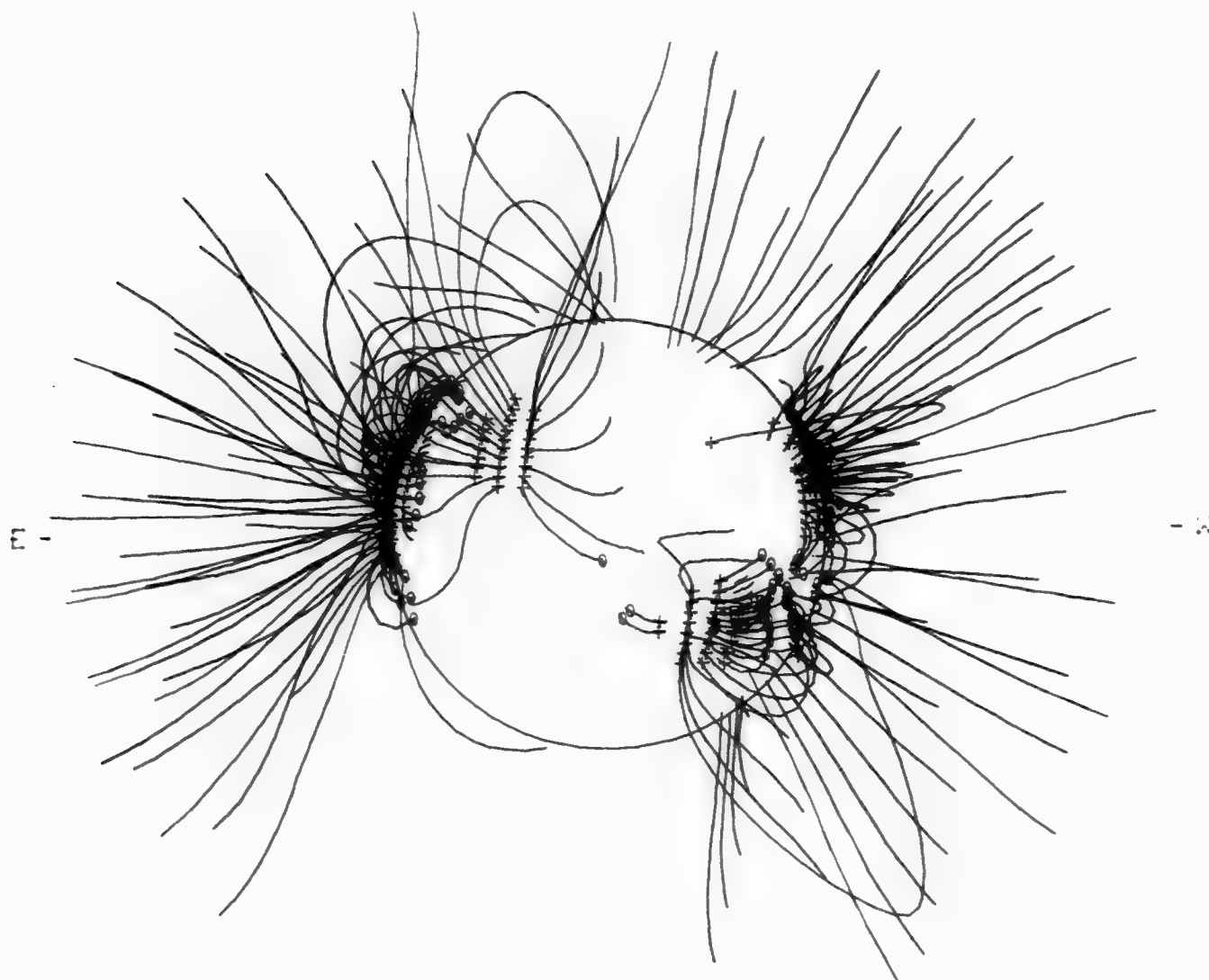


QUALITY 1000
 FULLS CURRENT
 DATA AND/OR 1000.00

S

R.T. 1500 200. 300°
 1000 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 100
 PAPER DIRECT
 DATA ANALYSIS 1960.00

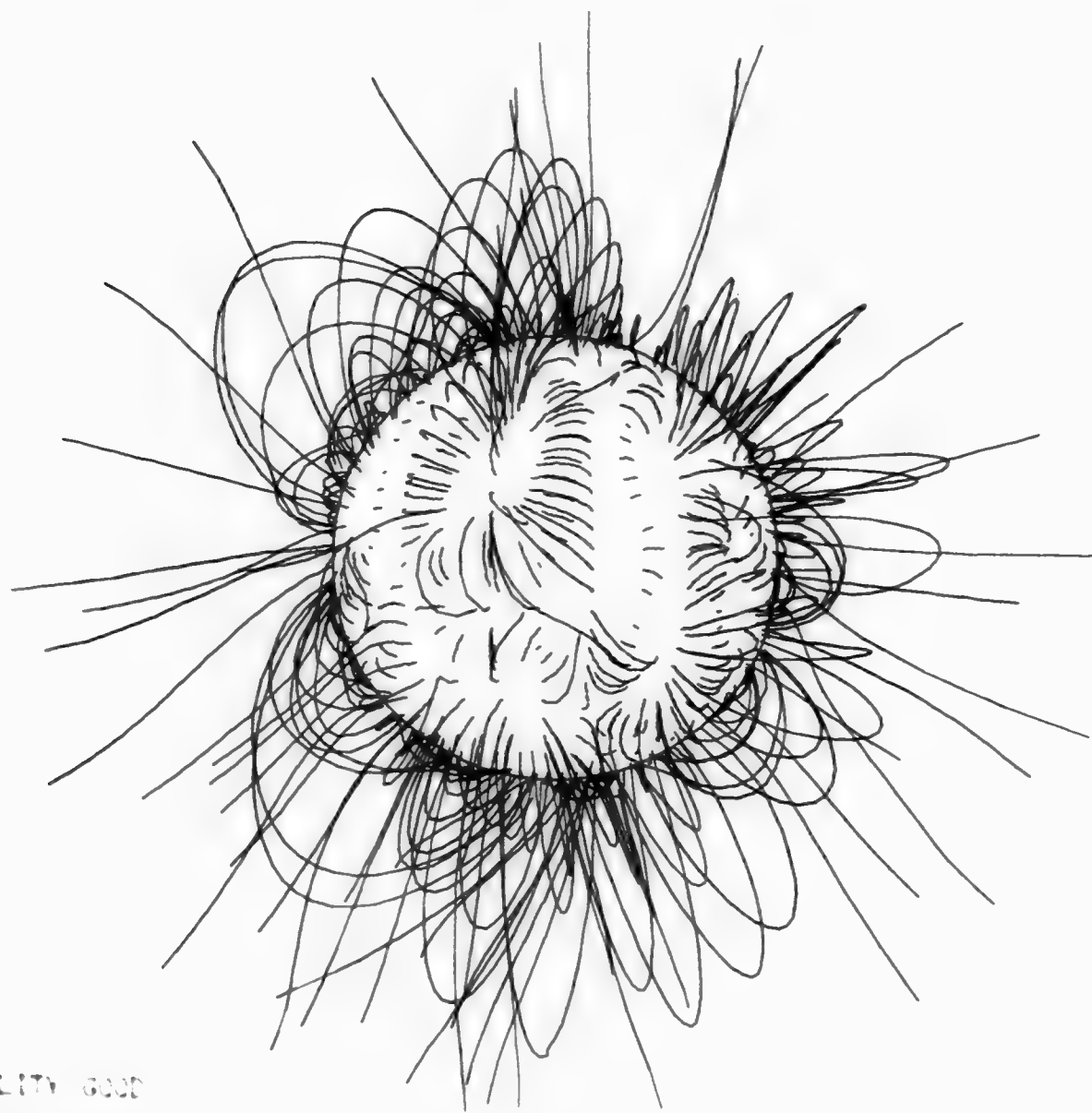
5

RET. 1541 200. 341
 1960 100 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

- W



QUALITY GOOD

POLES DIRECT

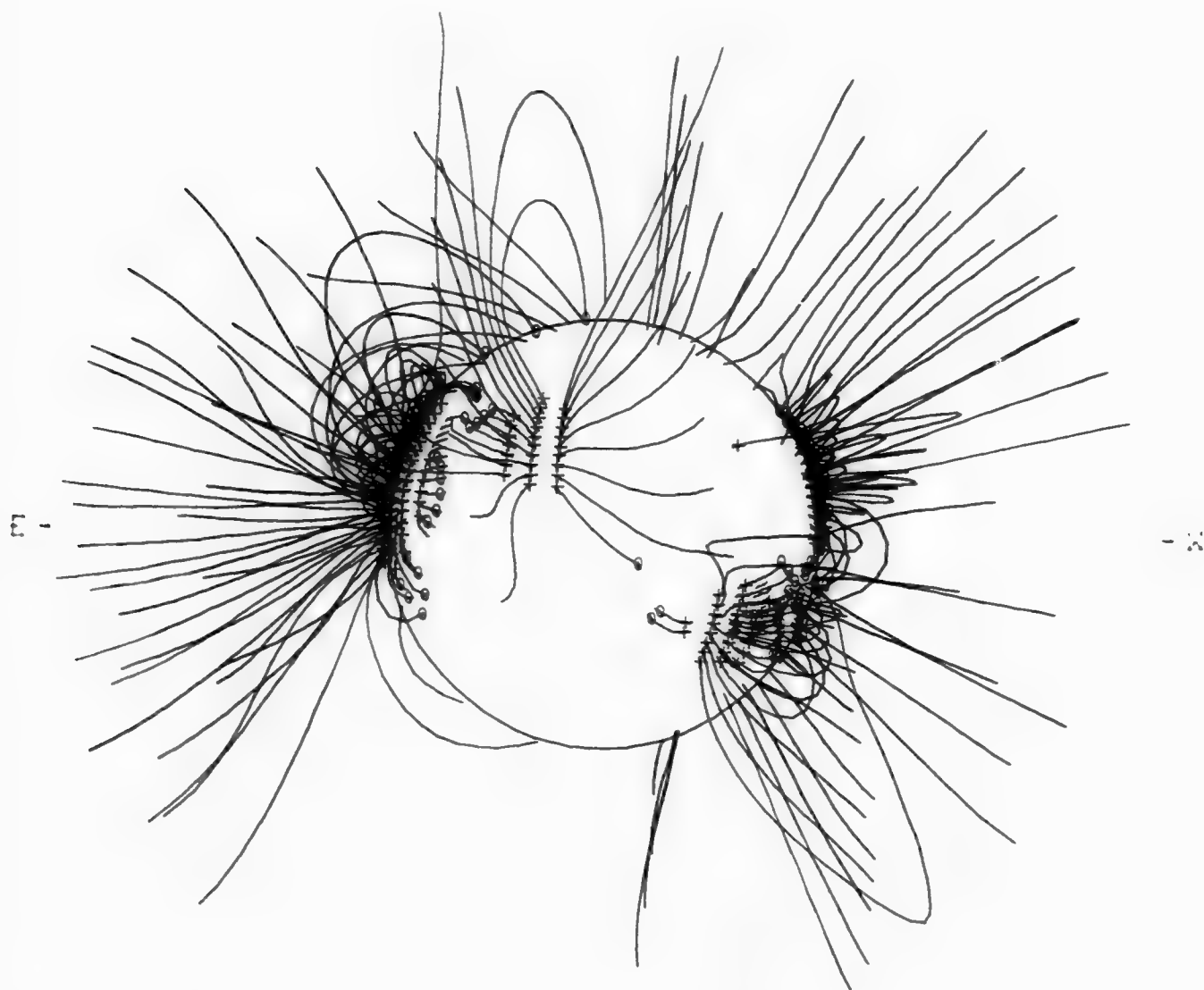
DATA WIND IN 1540.00

S

RUT. 1541 2110.350°

13.0 1100 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

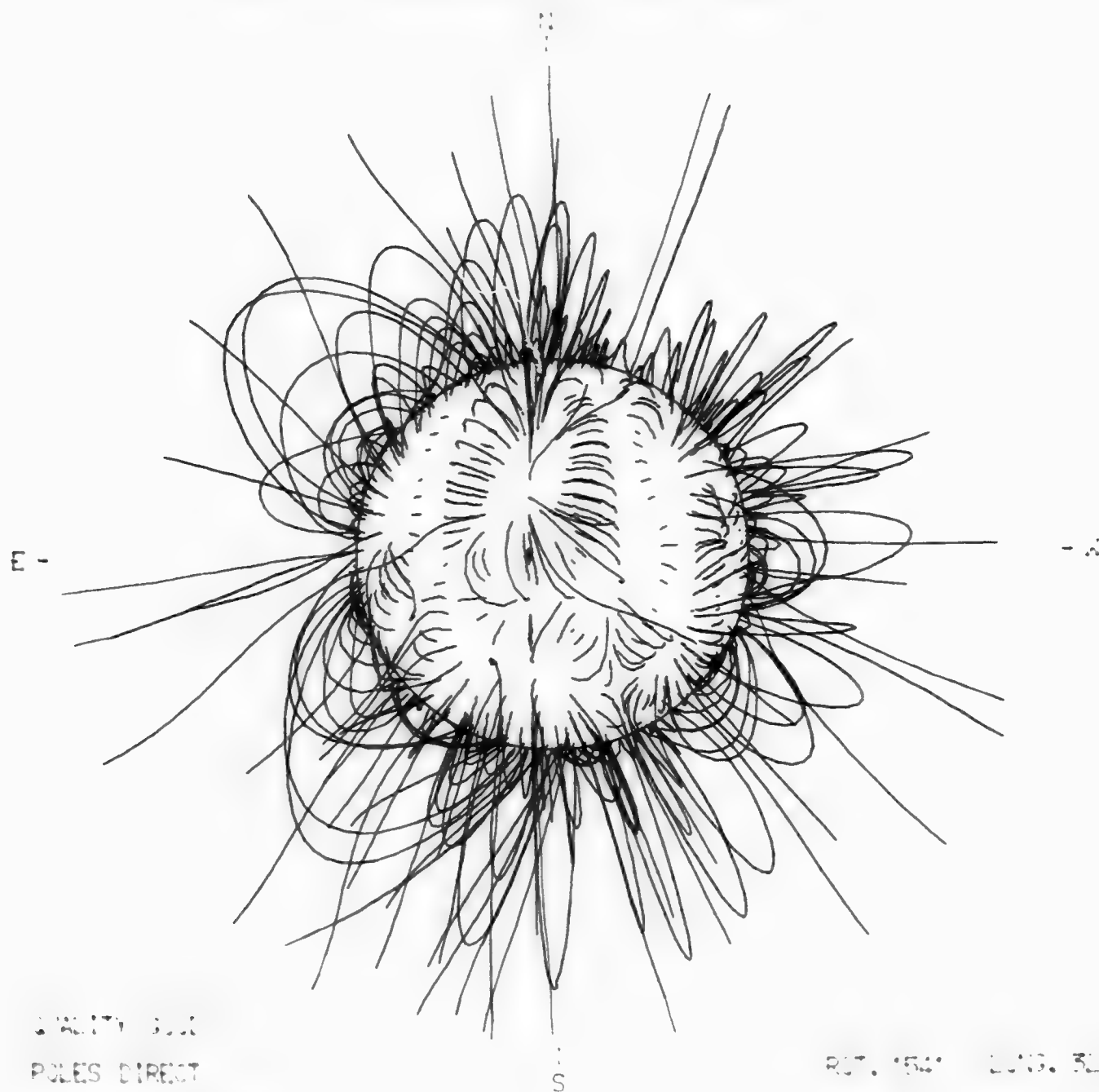
DATA WINDEN 1540.00

S

RJT. 1541 LING. 351°

13.0 NOV 1968

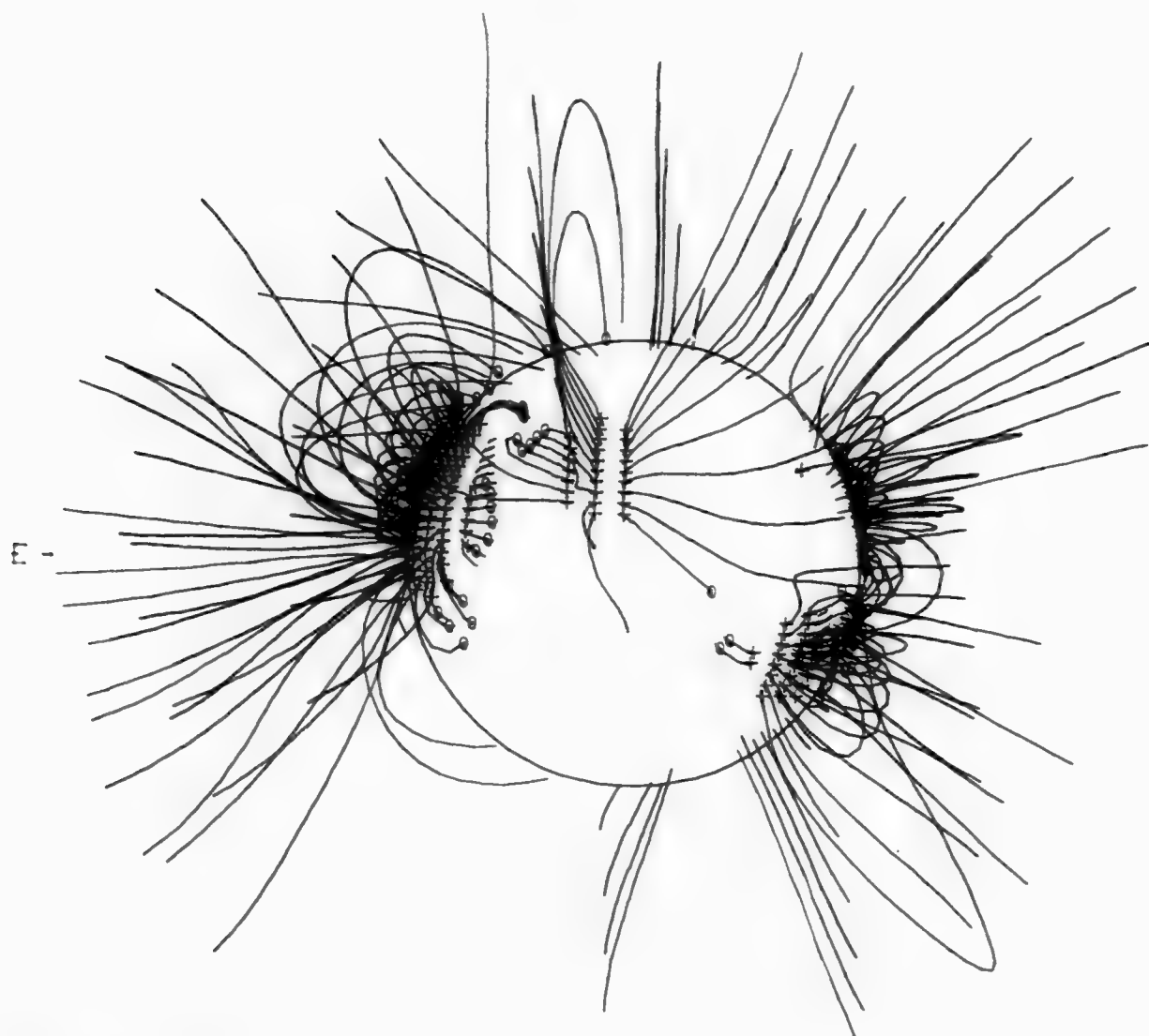
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 3.3
POLES DIRECT
DATA JUNE 15, 1967

ROT. 15.4° LONG. 30.0°
13.7 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



IDENTITY 3000

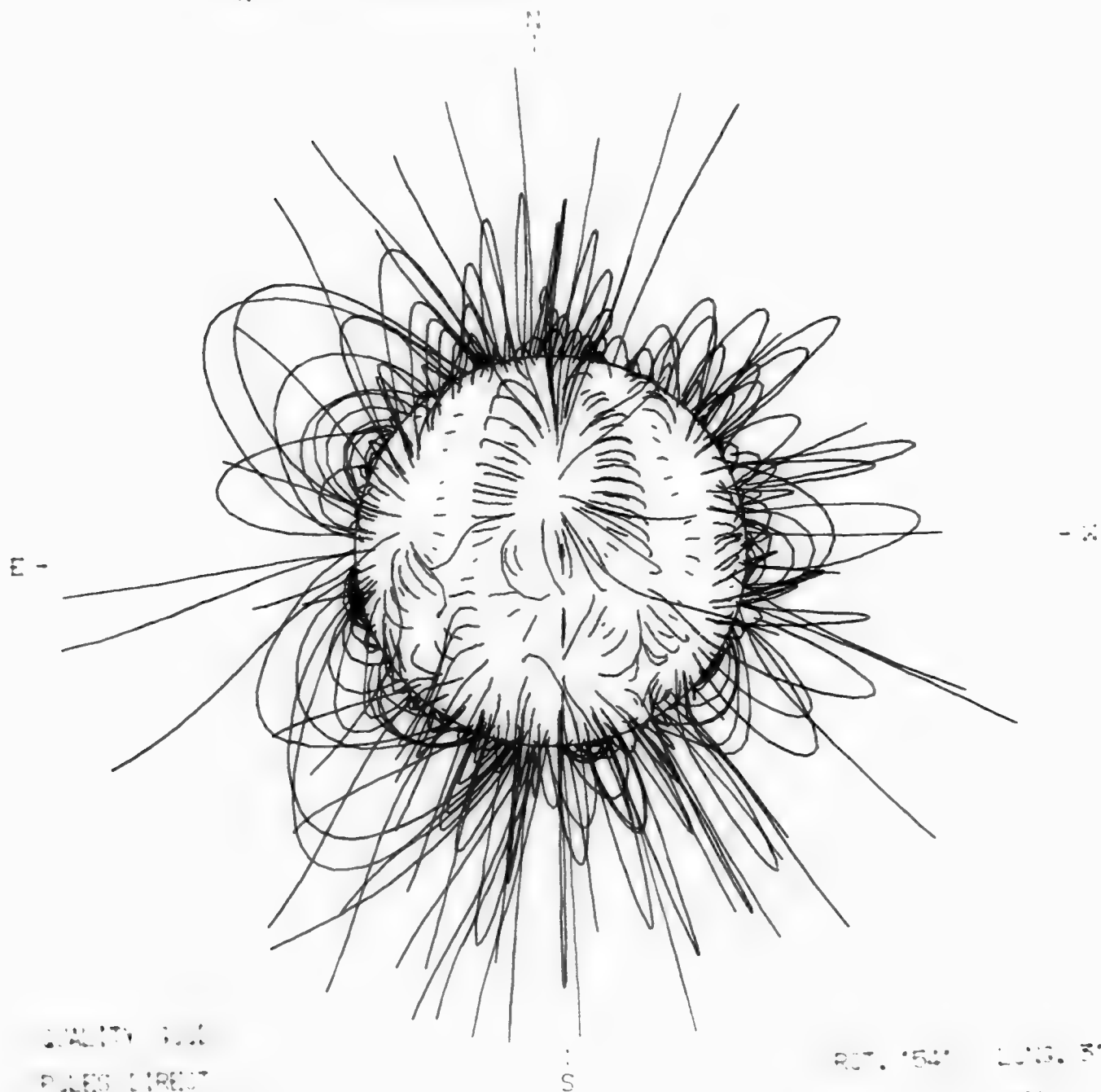
POLES DIRECT

DATA WIND IN 1540.47

RUT. 1541 LONG. 300°

13.7 NOV 1968

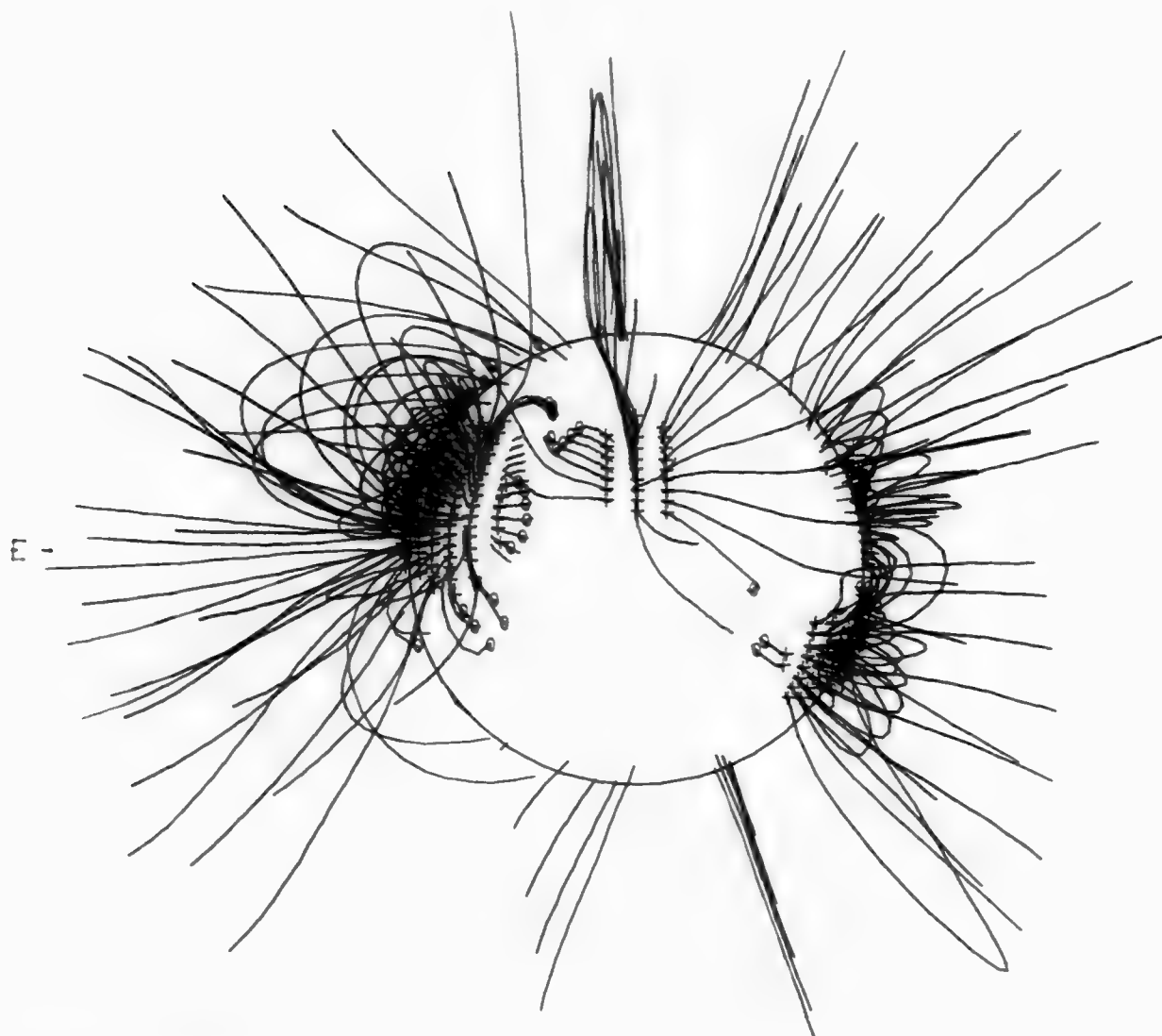
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 1.1
FILES 1.1
DATA 1.1 1968.47

REF. 1.1 1.1. 1.1
1.1. 1.1 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



1. WITTY 0.00

2. WITTY 0.00

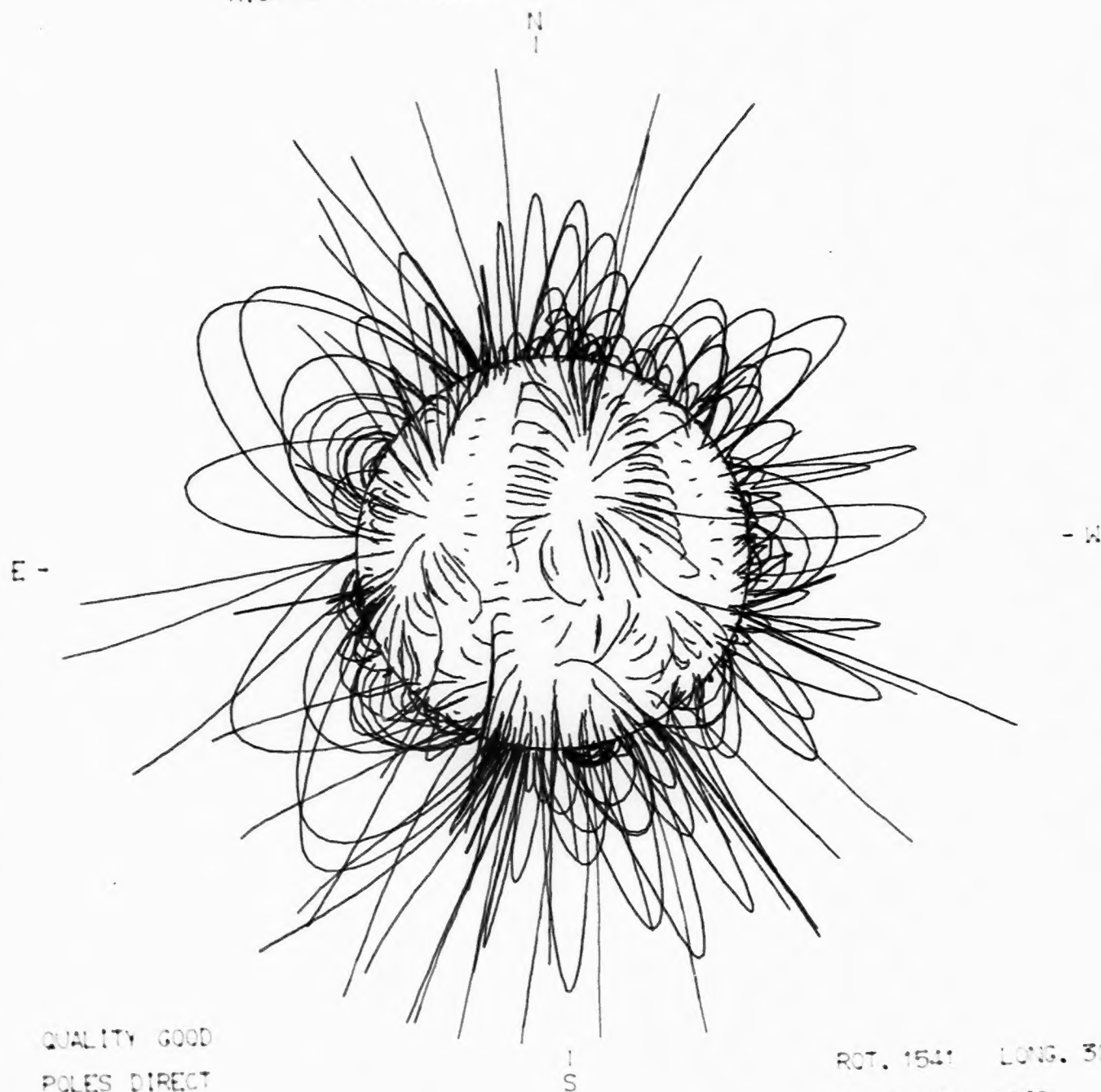
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S

8.7. 154° 10.0. 3.1°

14.5 10.7 1968

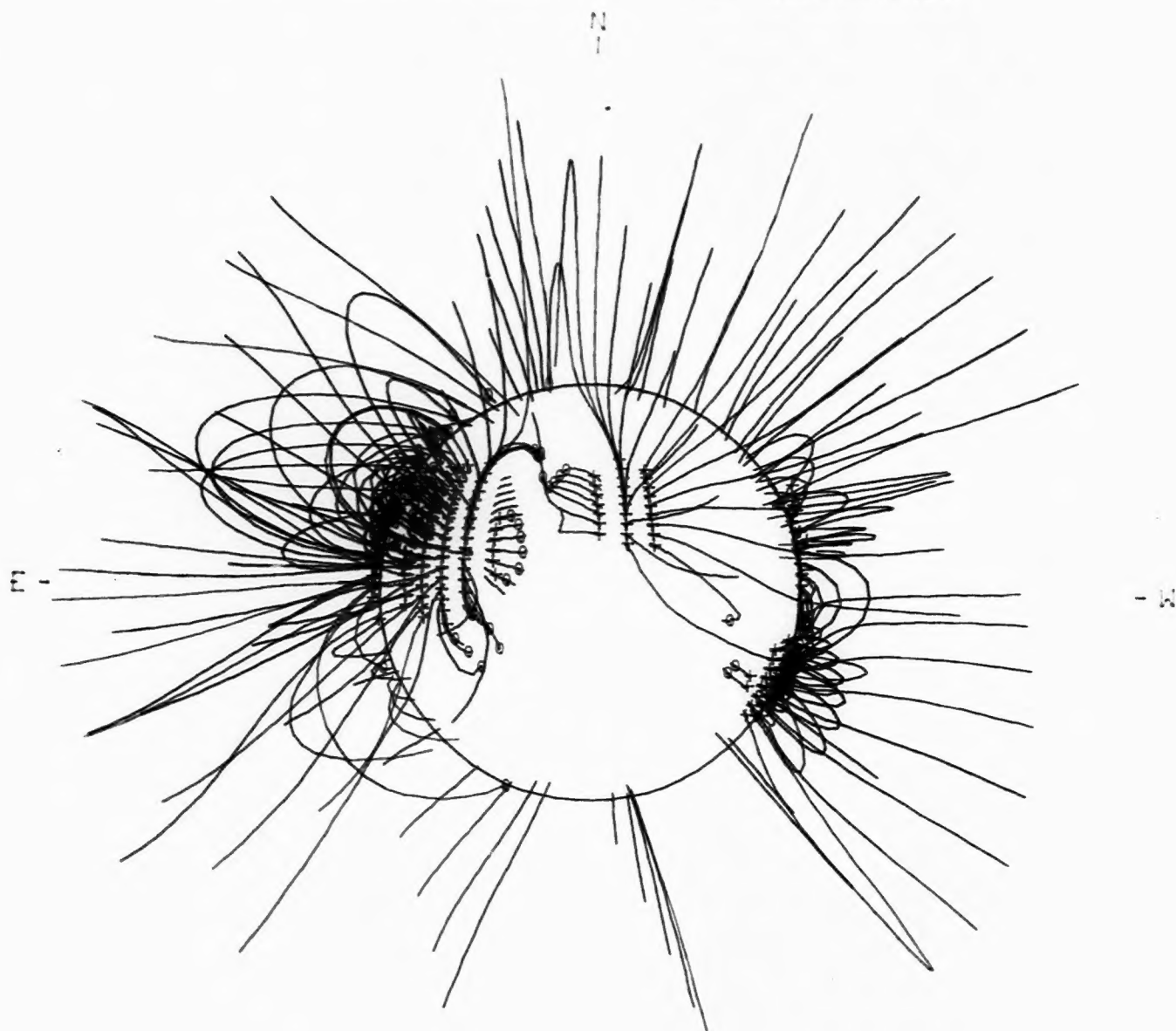
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES DIRECT
DATA WINDOW 1540.47

ROT. 1541 LONG. 300°
15.2 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

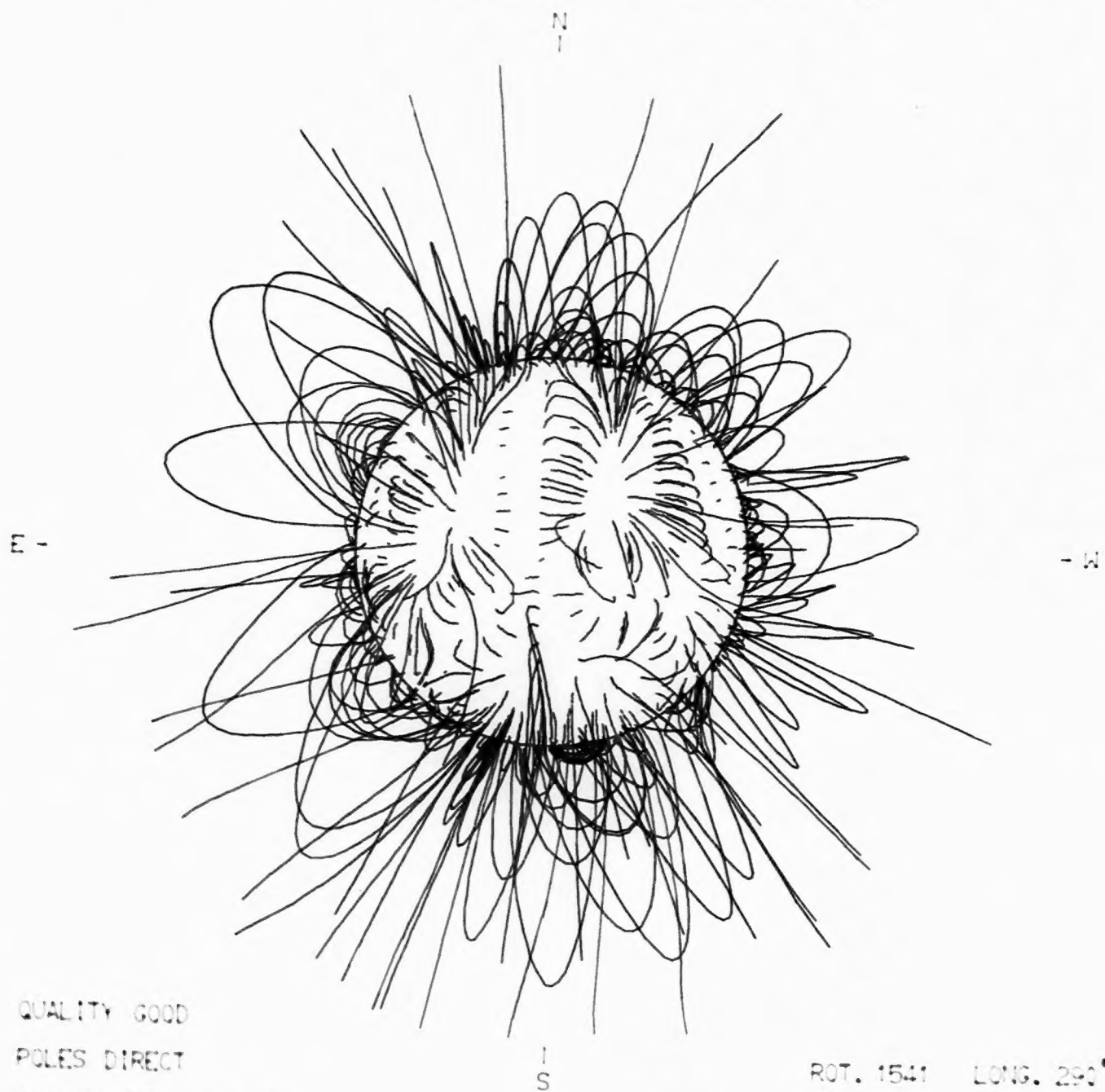
DATA WINDOW 1540.47

1
S

ROT. 1541 LONG. 300°

15.2 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

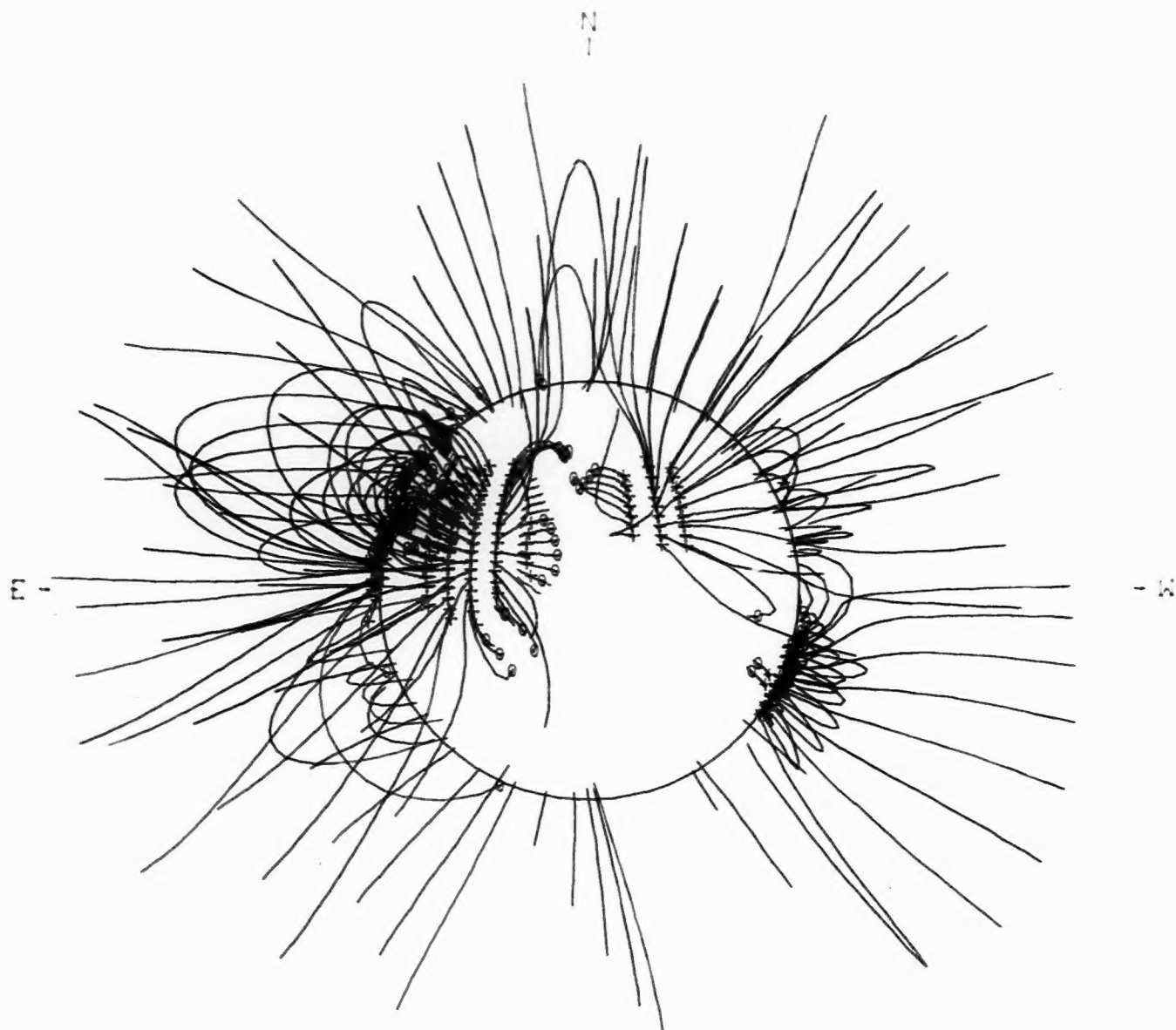
POLES DIRECT

DATA WINDOW 1540.47

ROT. 1541 LONG. 290°

15.0 NOV 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES DIRECT

DATA WINDOW 1540.47

S

ROT. 1541 LONG. 290°

16.0 NOV 1968